

1 ATGTGGAAATGGATACTGACACATTGTGCCTCAGCCTTTCCCCACCTGCCCGGCTGCTGC 60  
-----+-----+-----+-----+-----+-----+  
TACACCTTTACCTATGACTGTGTAACACGGAGTCGGAAGGGGTGGACGGGCCGACGACG  
M W K W I L T H C A S A F P H L P G C C  
61 TGCTGCTGCTTTTTGTTGCTGTTCTTGGTGTCTTCCGTCCCTGTACCTGCCAAGCCCTT 120  
-----+-----+-----+-----+-----+-----+  
ACGACGACGAAAAACAACGACAAGAACCACAGAAGGCAGGGACAGTGGACGGTTCGGGAA  
C C C F L L L F L V S S V P V T C Q A L  
121 GGTCAGGACATGGTGTACACAGAGGCCACCAACTCTTCTTCCTCCTCCTTCTCCTCTCCT 180  
-----+-----+-----+-----+-----+-----+  
CCAGTCCTGTACCACAGTGGTCTCCGGTGGTTGAGAAGAAGGAGGAGGAAGAGGAGAGGA  
G Q D M V S P E A T N S S S S S F S S P  
181 TCCAGCGCGGGAAGGCATGTGCGGAGCTACAATCACCTTCAAGGAGATGTCCGCTGGAGA 240  
-----+-----+-----+-----+-----+-----+  
AGGTCGCGCCCTTCCGTACACGCCTCGATGTTAGTGAAGTTCCTCTACAGGCGACCTCT  
S S A G R H V R S Y N H L Q G D V R W R

MATCH WITH FIG. 1B

FIG.1A

MATCH WITH FIG. 1A

241 AAGCTATTCTCTTTCACCAAGTACTTTCTCAAGATTGAGAAGAACGGGAAGGTCAGCGGG 300  
-----+-----+-----+-----+-----+-----+  
TTCGATAAGAGAAAGTGGTTCATGAAAGAGTTCTAACTCTTCTTGCCCTTCCAGTCGCCC  
K L F S F T K Y F L K I E K N G K V S G  
301 ACCAAGAAGGAGAACTGCCCCGTACAGCATCCTGGAGATAACATCAGTAGAAATCGGAGTT 360  
-----+-----+-----+-----+-----+-----+  
TGGTTCTTCTTCTTGACGGGCATGTCGTAGGACCTCTATTGTAGTCATCTTTAGCCTCAA  
T K K E N C P Y S I L E I T S V E I G V  
361 GTTGCCGTCAAAGCCATTAACAGCAACTATTACTTAGCCATGAACAAGAAGGGGAACTC 420  
-----+-----+-----+-----+-----+-----+  
CAACGGCAGTTTCGGTAATTGTCGTTGATAATGAATCGGTACTTGTTCTTCCCCTTTGAG  
V A V K A I N S N Y Y L A M N K K G K L  
421 TATGGCTCAAAGAATTTAACAATGACTGTAAGCTGAAGGAGAGGATAGAGGAAAATGGA 480  
-----+-----+-----+-----+-----+-----+  
ATACCGAGTTTTCTTAAATTGTTACTGACATTCGACTTCCTCTCCTATCTCCTTTTACCT  
Y G S K E F N N D C K L K E R I E E N G

MATCH WITH FIG. 1C

FIG.1B

MATCH WITH FIG. 1B

481 TACAATACCTATGCATCATTTAACTGGCAGCATAATGGGAGGCAAATGTATGTGGCATTG 540  
-----+-----+-----+-----+-----+-----+  
ATGTTATGGATACGTAGTAAATTGACCGTCGTATTACCCTCCGTTTACATACACCGTAAC  
Y N T Y A S F N W Q H N G R Q M Y V A L  
541 AATGGAAAAGGAGCTCCAAGGAGAGGACAGAAAACACGAAGGAAAAACACCTCTGCTCAC 600  
-----+-----+-----+-----+-----+-----+  
TTACCTTTTCCTCGAGGTTCTCTCTGTCTTTGTGCTTCCTTTTGTGGAGACGAGTG  
N G K G A P R R G Q K T R R K N T S A H  
601 TTTCTTCCAATGGTGGTACACTCATAG 627  
-----+-----+-----  
AAAGAAGGTTACCACCATGTGAGTATC  
F L P M V V H S \*

FIG.1C

205299 54452007

	1					50
FGF4	MS.GPGTAAV	ALLPAVLLAL	LA.....	.PWAGRGGAA	APTAPNGTLE	
FGF6	MSRGAGRLQG	TLWALVFLGI	LV.....	.GMVVPSPAG	TR.ANNTLLD	
FGF5	.....MSL	SFLLLLFFSH	LILSAWAHGE	KRLAPKGQPG	PAATDRNPIG	
FGF1	.....	.....	.....	.....	.....	
FGF2	.....	.....	.....	.....	.....	
FGF9	.....	.....	.....	..MAPLGEVG	NYFGVQDAVP	
FGF7	.....	.....MHKW	ILTWILPTLL	.....YRSCF	HIICLVGTIS	
KGF2	.....	.....MWKW	ILTHCASAFA	HLPGCCCCCF	LLLFLVSSVP	
FGF3	.....	.....	.....	.....MGL	IWLLLLSLLE	
FGF8	MGSPRSALSC	LLLHLLVLCL	QAQVRSAAQK	RGPGAGNPAD	TLGQGHEDRP	

	51					100
FGF4	AELERRWESL	VALSLARLPV	AA..QPKEAA	VQSGAGDY..	...LLGIKRL	
FGF6	S...RGWGT	LSRSRAGLAG	EI.....AG	VNWESG.Y..	...LVGIKRO	
FGF5	SSSRQSSSSA	MSSSSASSSP	AASLGSQSG	LEQSSFQW..	...SPSGRRT	
FGF1	.....MAEG	EITTF TALTE	KFN...LPPG	.....N..	...YK...KP	
FGF2	.....MAAG	SITTLPALPE	DGGSGAFPPG	.....H..	...FK...DP	
FGF9	FGNVPVLPVD	SPVLLSDHLG	QSEAGGLPRG	PAVTDLDH..	...LKGILRR	
FGF7	LACNDMTPEQ	M...ATNVNC	.....SSPE	RHTRSYDY..	...MEGGDIR	
KGF2	VTCQALGQDM	VSPEATNSSS	SSFSSPSSAG	RHVRSYNH..	...LQ.GDVR	
FGF3	PGWPAAGPGA	.....	...RLRRDAG	GRGGVYEH..	...L.GGAPR	
FGF8	FGQRSRAGKN	FTNPAPNYPE	EGSKEQRDSV	LPKVTQRHVR	EQSLVTDQLS	

MATCH WITH FIG. 2B

FIG. 2A

MATCH WITH FIG. 2A

	101		150
FGF4	RRL.....YC	NVGIGFHLQA	LPDGRIGGAH ADT.RDSLLE LSPVERGV.V
FGF6	RRL.....YC	NVGIGFHLQV	LPDGRISGTH EEN.PYSLLE ISTVERGV.V
FGF5	GSL.....YC	RVGIGFHLQI	YPDGKVNGSH EAN.MLSVLE IFAVSQGI.V
FGF1	KLL.....YC	SNG.GHFLRI	LPDGTVDGTR DRSDQHIQLQ-LSAESVGE.V
FGF2	KRL.....YC	KNG.GFFLRI	HPDGRVDGVR EKSDPHIKLQ LQAEERGV.V
FGF9	RQL.....YC	R.T.GFHLEI	FPNGTIQGTR KDHSRFGILE FISIAVGL.V
FGF7	VRR.....LF	CRT.QWYLRI	DKRGKVKGTO EMKNNYNIME IRTVAVGI.V
KGF2	WRK.....LF	<i>SFT.KYFLKI</i>	<i>EKNGKVSGTK KENCPYSILE ITSVEIGV.V</i>
FGF3	RRK.....LY	CAT.KYHLQL	HPSGRVNGSL .ENSAYSILE ITAVEVGI.V
FGF8	RRLIRTYQLY	SRTSGKHVQV	LANKRINAMA EDGDPFAKLI VETDTFGSRV

	151		200
FGF4	SIFGVASRFF	VAMSSKGKLY	G.SPFFTDEC TFKEILLPNN YNAYESYKYP
FGF6	SLFGVRSALF	VAMNSKGRLY	A.TPSFQEEC KFRETLLPNN YNAYESDLYQ
FGF5	GIRGVFSNKF	LAMSKKGLH	A.SAKFTDDC KFRERFQENS YNTYASAIHR
FGF1	YIKSTETGQY	LAMDTDGLLY	G.SQTPNEEC LFLERLEENH YNTYISKKH.
FGF2	SIKGVCANRY	LAMKEDGRLL	A.SKCVTDEC FFFERLESNN YNTYRSRKY.
FGF9	SIRGVDSGLY	LGMNEKGELY	G.SEKLTQEC VFREQFEENW YNTYSSNLYK
FGF7	AIKGVSESEFY	LAMNKEGKLY	A.KKECNEDC NFKELILENH YNTYAS....
KGF2	AVKAINSNEY	LAMNKKGKLY	G.SKEFNNDK <i>KLKERIEENG</i> YNTYAS....
FGF3	AIRGLFSGRY	LAMNKRGRLY	A.SEHYSAEC EFVERIHELG YNTYASRLYR
FGF8	RVRGAETGLY	ICMNKKGKLI	AKSNGKGKDC VFTEIVLENN YTALQNAKY.

MATCH WITH FIG. 2C

FIG.2B

205250-9445-001

MATCH WITH FIG. 2B

	201				250
FGF4	.....	GM.....	FI	ALSKNGKTKK	G..NRVSPTM KVTHFLPRL.
FGF6	.....	GT.....	YI	ALSKYGRVKR	G..SKVSPIM TVTHFLPRI.
FGF5	.....	TEKTGREWYV		ALNKRKGAKR	GCSPRVKPQH ISTHFLPRFK
FGF1	.....	...AEKNWFV		GLKKNGSCKR	G..PRTHYGQ KAILFLPLPV
FGF2	.....	...T..SWYV		ALKRTGQYKL	G..SKTGPGQ KAILFLPMSA
FGF9	HV.....	:.DTGRRYYV		ALNKDGTPRE	G..TRTKRHQ KFTHFLPRPV
FGF7	.....	AKW THNGGEM.FV		ALNQKGIPVR	G..KKTKKEQ KTAHFLPMAI
KGF2	.....	FNW QHNGRQM.YV		ALNGKGAPRR	G..QKTRRKN TSAHFLPMVV
FGF3	TVSSTPGARR	QPSAERLWYV		SVNGKGRPRR	G..FKTRRTQ KSSLFLPRVL
FGF8	.....	.....EGWYM		AFTRKGRPRK	G..SKTRQHQ REVHFMKRLP

	251				300
FGF4	.....	.....	.....	.....	.....
FGF6	.....	.....	.....	.....	.....
FGF5	QSEQPELSFT	VTVPEKKNPP	SPIKSKIPLS	APRKNTNSVK	YRLKFRFG..
FGF1	SSD.....	.....	.....	.....	.....
FGF2	KS.....	.....	.....	.....	.....
FGF9	DPDKVPELYK	DILSQS....	.....	.....	.....
FGF7	T.....	.....	.....	.....	.....
KGF2	HS.....	.....	.....	.....	.....
FGF3	DHRDHEMVRQ	LQSGLP RPPG	KG VQPRRRRQ	KQSPDNLEPS	HVQASRLGSQ
FGF8	RGHHTTEQSL	RFEFLNYPPF	TRSLRGSQRT	WAPEPR....	.....

MATCH WITH FIG. 2D

FIG. 2C

205590 3445001

MATCH WITH FIG. 2C

	301
FGF4	.....
FGF6	.....
FGF5	.....
FGF1	.....
FGF2	.....
FGF9	.....
FGF7	.....
<i>KGF2</i>	.....
FGF3	LEASAH
FGF8	.....

FIG.2D

205230 94452001

GGAATTCCGG	GAAGAGAGGG	AAGAAAACAA	CGGCGACTGG	GCAGCTGCCT	CCACTTCTGA	60
CAACTCCAAA	GGGATATACT	TGTAGAAGTG	GCTCGCAGGC	TGGGGCTCCG	CAGAGAGAGA	120
CCAGAAGGTG	CCAACCGCAG	AGGGGTGCAG	ATATCTCCCC	CTATTCCCCA	CCCCACCTCC	180
CTTGGGTTTT	GTTCACCGTG	CTGTCATCTG	TTTTTCAGAC	CTTTTTGGCA	TCTAACATGG	240
TGAAGAAAGG	AGTAAAGAAG	AGAACAAAGT	AACTCCTGGG	GGAGCGAAGA	GCGCTGGTGA	300
CCAACACCAC	CAACGCCACC	ACCAGCTCCT	GCTGCTGCGG	CCACCCACGT	CCACCATTTA	360
CCGGGAGGCT	CCAGAGGCGT	AGGCAGCGGA	TCCGAGAAAG	GAGCGAGGGG	AGTCAGCCGG	420
CTTTTCCGAG	GAGTTATGGA	TGTTGGTGCA	TTCACTTCTG	GCCAGATCCG	CGCCCAGAGG	480
GAGCTAACCA	GCAGCCACCA	CCTCGAGCTC	TCTCCTTGCC	TTGCATCGGG	TCTTACCCTT	540
CCAGTATGTT	CCTTCTGATG	AGACAATTC	CAGTGCCGAG	AGTTTCAGTA	CA ATG Met	595
TGG AAA TGG	ATA CTG ACA	CAT TGT GCC	TCA GCC TTT	CCC CAC CTG	CCC	643
Trp Lys Trp	Ile Leu Thr	His Cys Ala	Ser Ala Phe	Pro His Leu	Pro	
GGC TGC TGC	TGC TGC TGC	TTT TTG TTG	CTG TTC TTG	GTG TCT TCC	GTC	691
Gly Cys Cys	Cys Cys Cys	Phe Leu Leu	Leu Phe Leu	Val Ser Ser	Val	
CCT GTC ACC	TGC CAA GCC	CTT GGT CAG	GAC ATG GTG	TCA CCA GAG	GCC	739
Pro Val Thr	Cys Gln Ala	Leu Gly Gln	Asp Met Val	Ser Pro Glu	Ala	
ACC AAC TCT	TCT TCC TCC	TCC TTC TCC	TCT CCT TCC	AGC GCG GGA	AGG	787
Thr Asn Ser	Ser Ser Ser	Ser Phe Ser	Ser Ser Pro	Ser Ser Ala	Gly Arg	
CAT GTG CGG	AGC TAC AAT	CAC CTT CAA	GGA GAT GTC	CGC TGG AGA	AAG	835
His Val Arg	Ser Tyr Asn	His Leu Gln	Gly Asp Val	Arg Trp Arg	Lys	
CTA TTC TCT	TTC ACC AAG	TAC TTT CTC	AAG ATT GAG	AAG AAC GGG	AAG	883
Leu Phe Ser	Phe Thr Lys	Tyr Phe Leu	Lys Ile Glu	Lys Asn Gly	Lys	
GTC AGC GGG	ACC AAG AAG	GAG AAC TGC	CCG TAC AGC	ATC CTG GAG	ATA	931
Val Ser Gly	Thr Lys Lys	Glu Asn Cys	Pro Tyr Ser	Ile Leu Glu	Ile	
ACA TCA GTA	GAA ATC GGA	GTT GTT GCC	GTC AAA GCC	ATT AAC AGC	AAC	979
Thr Ser Val	Glu Ile Gly	Val Val Ala	Val Lys Ala	Ile Asn Ser	Asn	
TAT TAC TTA	GCC ATG AAC	AAG AAG GGG	AAA CTC TAT	GGC TCA AAA	GAA	1027
Tyr Tyr Leu	Ala Met Asn	Lys Lys Gly	Lys Leu Tyr	Gly Ser Lys	Glu	
TTT AAC AAT	GAC TGT AAG	CTG AAG GAG	AGG ATA GAG	GAA AAT GGA	TAC	1075
Phe Asn Asn	Asp Cys Lys	Leu Lys Glu	Arg Ile Glu	Glu Glu Asn	Gly Tyr	

FIG.3A



AAT ACC TAT GCA TCA TTT AAC TGG CAG CAT AAT GGG AGG CAA ATG TAT	1123
Asn Thr Tyr Ala Ser Phe Asn Trp Gln His Asn Gly Arg Gln Met Tyr	
GTG GCA TTG AAT GGA AAA GGA GCT CCA AGG AGA GGA CAG AAA ACA CGA	1171
Val Ala Leu Asn Gly Lys Gly Ala Pro Arg Arg Gly Gln Lys Thr Arg	
AGG AAA AAC ACC TCT GCT CAC TTT CTT CCA ATG GTG GTA CAC TCA	1216
Arg Lys Asn Thr Ser Ala His Phe Leu Pro Met Val Val His Ser	
TAGAGGAAGG CAACGTTTGT GGATGCAGTA AAACCAATGG CTCTTTTGCC AAGAATAGTG	1276
GATATTCTTC ATGAAGACAG TAGATTGAAA GGCAAAGACA CGTTGCAGAT GTCTGCTTGC	1336
TTAAAAGAAA GCCAGCCTTT GAAGGTTTTT GTATTCAGTG CTGACATATG ATGTTCTTTT	1396
AATTAGTTCT GTGTCATGTC TTATAATCAA GATATAGGCA GATCGAATGG GATAGAAGTT	1456
ATTCCCAAGT GAAAAACATT GTGGCTGGGT TTTTGTGTGT TGTGTCAAG TTTTGTTTT	1516
TAAACCTCTG AGATAGAACT TAAAGGACAT AGAACAATCT GTTGAAAGAA CGATCTTCGG	1576
GAAAGTTATT TATGGAATAC GAACTCATAT CAAAGACTTC ATTGCTCATT CAAGCCTAAT	1636
GAATCAATGA ACAGTAATAC GTGCAAGCAT TTAAGGAAA GCACTTGGGT CATATCATAT	1696
GCACAACCAA AGGAGTTCTG GATGTGGTCT CATGGAATAA TTGAATAGAA TTTAAAAATA	1756
TAAACATGTT AGTGTGAAAC TGTTCTAACA ATACAAATAG TATGGTATGC TTGTGCATTC	1816
TGCCTTCATC CCTTTCTATT TCTTTCTAAG TTATTTATTT AATAGGATGT TAAATATCTT	1876
TTGGGGTTTT AAAGAGTATC TCAGCAGCTG TCTTCTGATT TATCTTTTCT TTTTATTCAG	1936
CACACCACAT GCATGTTTAC GACAAAGTGT TTTTAAAACT TGGCGAACAC TTCAAAAAATA	1996
GGAGTTGGGA TTAGGGAAGC AGTATGAGTG CCCGTGTGCT ATCAGTTGAC TTAATTTGCA	2056
CTTCTGCAGT AATAACCATC AACAATAAAT ATGGCAATGC TGTGCCATGG CTTGAGTGAG	2116
AGATGTCTGC TATCATTTGA AAACATATAT TACTCTCGAG GCTTCCTGTC TCAAGAAATA	2176
GACCAGAAGG CCAAATTCTT CTCTTTCAAT ACATCAGTTT GCCTCCAAGA ATATACTAAA	2236
AAAAGGAAAA TTAATTGCTA AATACATTTA AATAGCCTAG CCTCATTATT TACTCATGAT	2296
TTCTTGCCAA ATGTCATGGC GGTAAAGAGG CTGTCCACAT CTCTAAAAAC CCTCTGTAAA	2356
TTCCACATAA TGCATCTTTC CCAAAGGAAC TATAAAGAAT TTGGTATGAA GCGCAACTCT	2416

FIG.3B

CCCAGGGGCT TAACTGAGC AAATCAAATA TATACTGGTA TATGTGTAAC CATATACAAA	2476
AACCTGTTCT AGCTGTATGA TCTAGTCTTT ACAAACCAA ATAAACTTG TTTTCTGTAA	2536
ATTTAAAGAG CTTTACAAGG TTCCATAATG TAACCATATC AAAATTCATT TTGTTAGAGC	2596
ACGTATAGAA AAGAGTACAT AAGAGTTTAC CAATCATCAT CACATTGTAT TCCACTAAAT	2656
AAATACATAA GCCTTATTTG CAGTGTCTGT AGTGATTTTA AAAATGTAGA AAAATACTAT	2716
TTGTTCTAAA TACTTTTAAG CAATAACTAT AATAGTATAT TGATGCTGCA GTTTTATCTT	2776
CATATTTCTT GTTTTGAAAA AGCATTTTAT TGTTTGGACA CAGTATTTTG GTACAAAAAA	2836
AAAGACTCAC TAAATGTGTC TTAATAAGT TTAACCTTTG GAAATGCTGG CGTTCTGTGA	2896
TTCTCCAACA AACTTATTTG TGTCAATACT TAACCAGCAC TTCCAGTTAA TCTGTTATTT	2956
TTAAAAATTG CTTTATTAAG AAATTTTTTG TATAATCCCA TAAAAGGTCA TATTTTCCC	3016
ATTCTTCAAA AAAACTGTAT TTCAGAAGAA ACACATTTGA GGCAGTGTCT TTTGGCTTAT	3076
AGTTTAAATT GCATTTATC ATACTTTGCT TCCAACCTGC TTTTGGCAA ATGAGATTAT	3136
AAAAATGTTT AATTTTTGTG GTTGAATCT GGATGTTAAA ATTTAATTGG TAACTCAGTC	3196
TGTGAGCTAT AATGTAATGC ATTCCTATCC AAAGTAGGTA TCTTTTTTTC CTTTATGTTG	3256
AAATAATAAT GGCACCTGAC ACATAGACAT AGACCACCCA CAACCTAAAT TAAATGTTTG	3316
GTAAGACAAA TACACATTGG ATGACCACAG TAACAGCAAA CAGGGCACAA ACTGGATTCT	3376
TATTTACAT AGACATTTAG ATTACTAAAG AGGGCTATGT GTAAACAGTC ATCATTATAG	3436
TACTCAAGAC ACTAAACAG CTTCTAGCCA AATATATTAA AGCTTGCAGA GGCCAAAAAT	3496
AGAAAACATC TCCCCTGTCT CTCCACATT TCCCTCACAG AAAGACAAA AACCTGCCTG	3556
GTGCAGTAGC TCACACCTGT AATCCCAGCA GTTTGGGAGA CTGTGGGAAG ATGGCTTGAG	3616
TCCAGGAGTT CTAGACAGGC CTGAGAAACC TAGTGAGACA TCCTTCTCTT AAACAAAACA	3676
AAACAAAACA AATGTAGCCA TGCCTGGTGG CATATACCTG TGGTCCCAAC TACTCAGGAG	3736
GCTGAAACGG AAGGATCTCT TGGGCCCCAG GAGTTTGAGG CTGCAGTGAG CTATAATCTT	3796
GCCATTGCAC TCCAGCCTGG GTGAAAAAGA GCCAGAAAGA AAGGAAAGAG AGAAAAGAGA	3856
AAAGAAAGAG AGAAAAGACA GAAAGACAGG AAGGAAGGAA GGAAGGAAGG AAGGAAGGAA	3916
GGAAGCAAGG AAAGAAGGAA GGAAGGAAAG AAGGGAGGGA AGGAAGGAGA GAGAAAGAAA	3976
GATTGTTTGG TAAGGAGTAA TGACATTCTC TTGCATTAA AAGTGGCATA TTTGCTTGAA	4036

FIG.3C

ATGGAAATAG AATTCTGGTC CCTTTTGCAA CTACTGAAGA AAAAAAAAAG CAGTTTCAGC 4096  
CCTGAATGTT GTAGATTGTA AAAAAAAAAA AAAAAAACTC GAGGGGGGGC CCGTACCCAA 4156  
TTCGCCCTAT AGTGAATCGT A 4177

### FIG.3D

205290-9445200

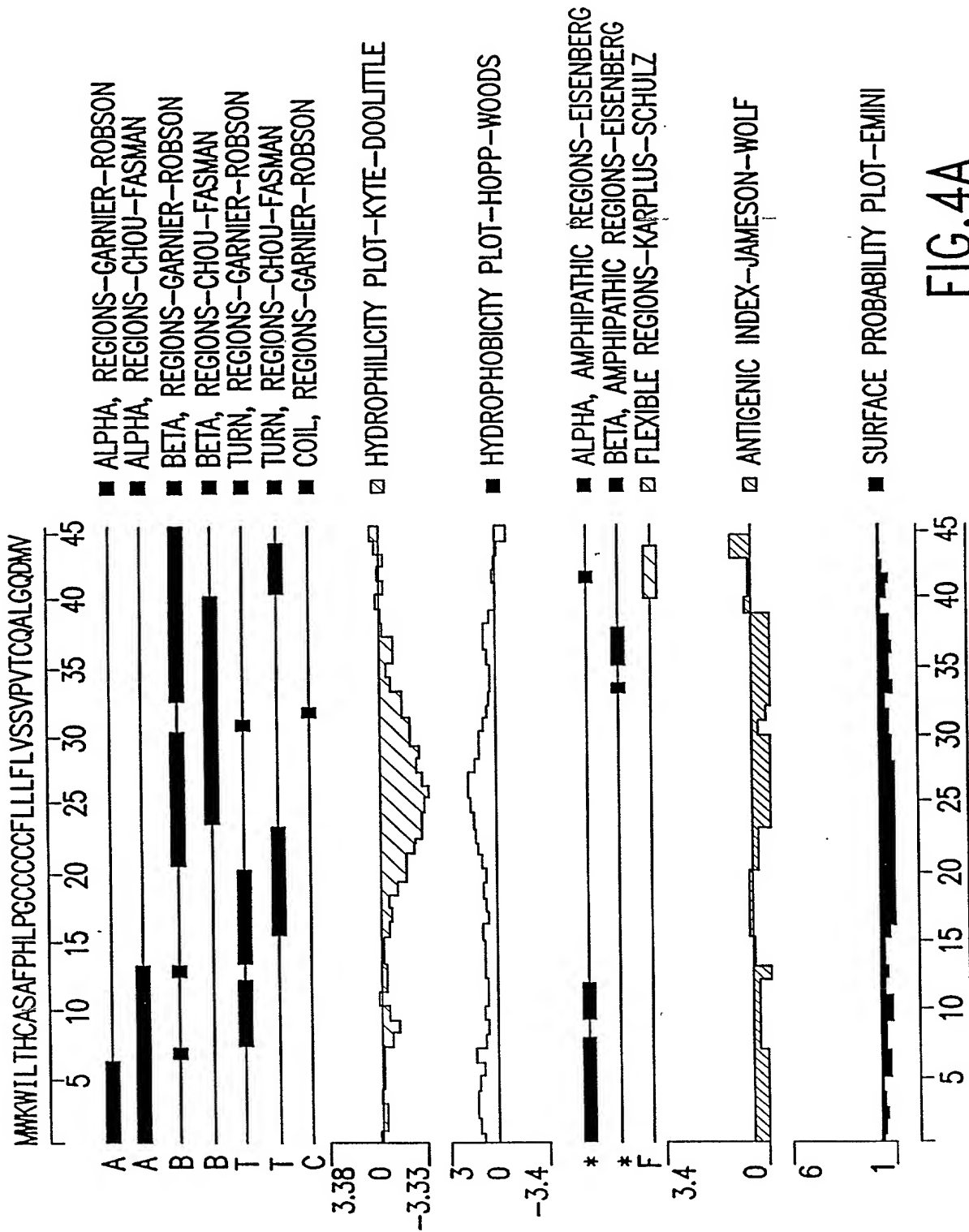


FIG.4A

SPEATNSSSFSSPSSAGRHRVRSYNHLQGDVRWRKLFSTKYFL

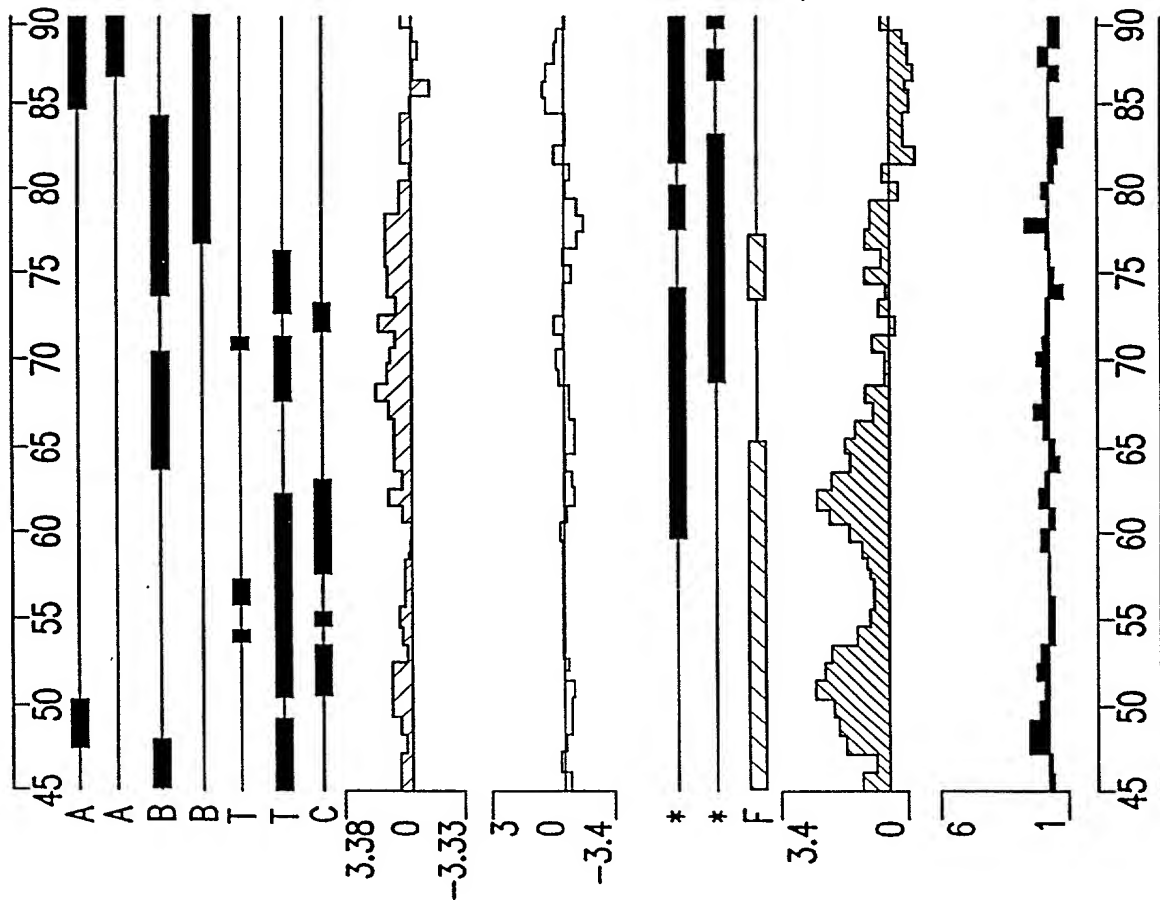
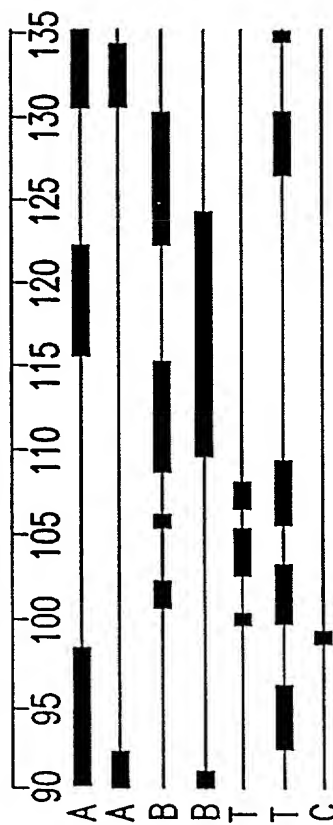


FIG. 4B

KIEKNGK/SGTKKENCYPYSILEITTSVEIGWAWKAINSNNYLAMN



- ALPHA, REGIONS-GARNIER-ROBSON
- ALPHA, REGIONS-CHOU-FASMAN
- BETA, REGIONS-GARNIER-ROBSON
- BETA, REGIONS-CHOU-FASMAN
- TURN, REGIONS-GARNIER-ROBSON
- TURN, REGIONS-CHOU-FASMAN
- COIL, REGIONS-GARNIER-ROBSON

□ HYDROPHILICITY PLOT-KYTE-DOOLITTLE

□ HYDROPHOBICITY PLOT-HOPP-WOODS

- ALPHA, AMPHIPATHIC REGIONS-EISENBERG
- BETA, AMPHIPATHIC REGIONS-EISENBERG
- FLEXIBLE REGIONS-KARPLUS-SCHULZ

□ ANTIGENIC INDEX-JAMESON-WOLF

■ SURFACE PROBABILITY PLOT-EMINI

FIG.4C

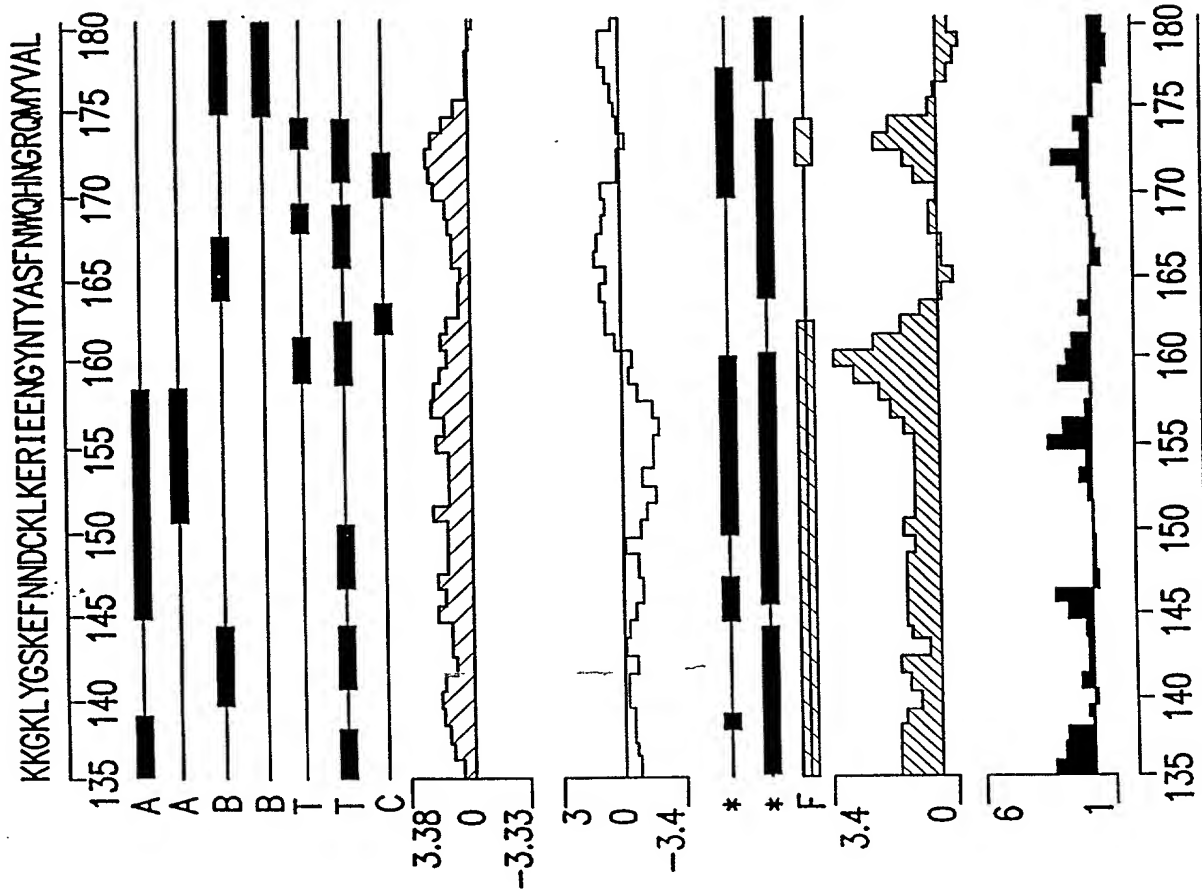
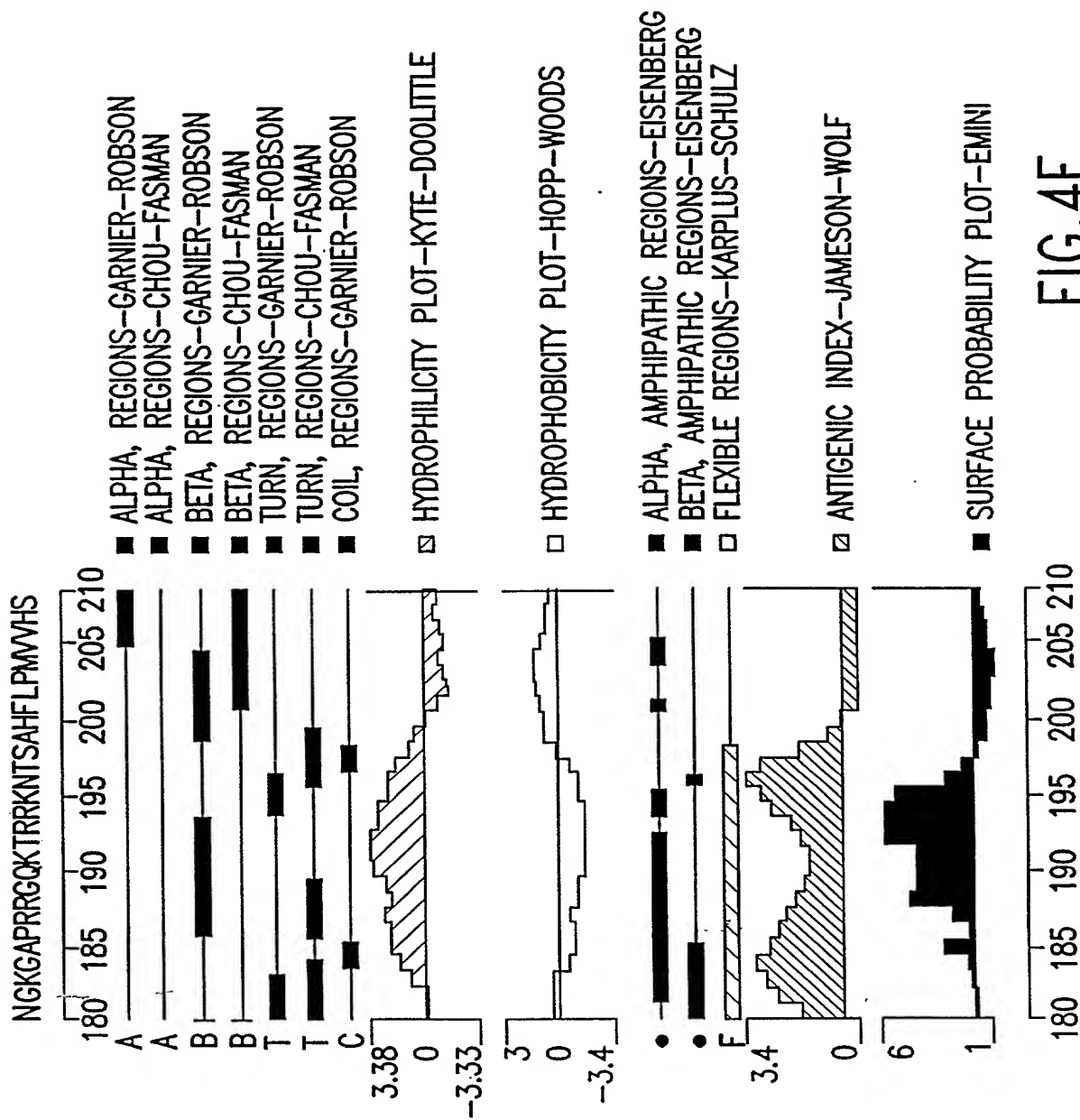


FIG.4D





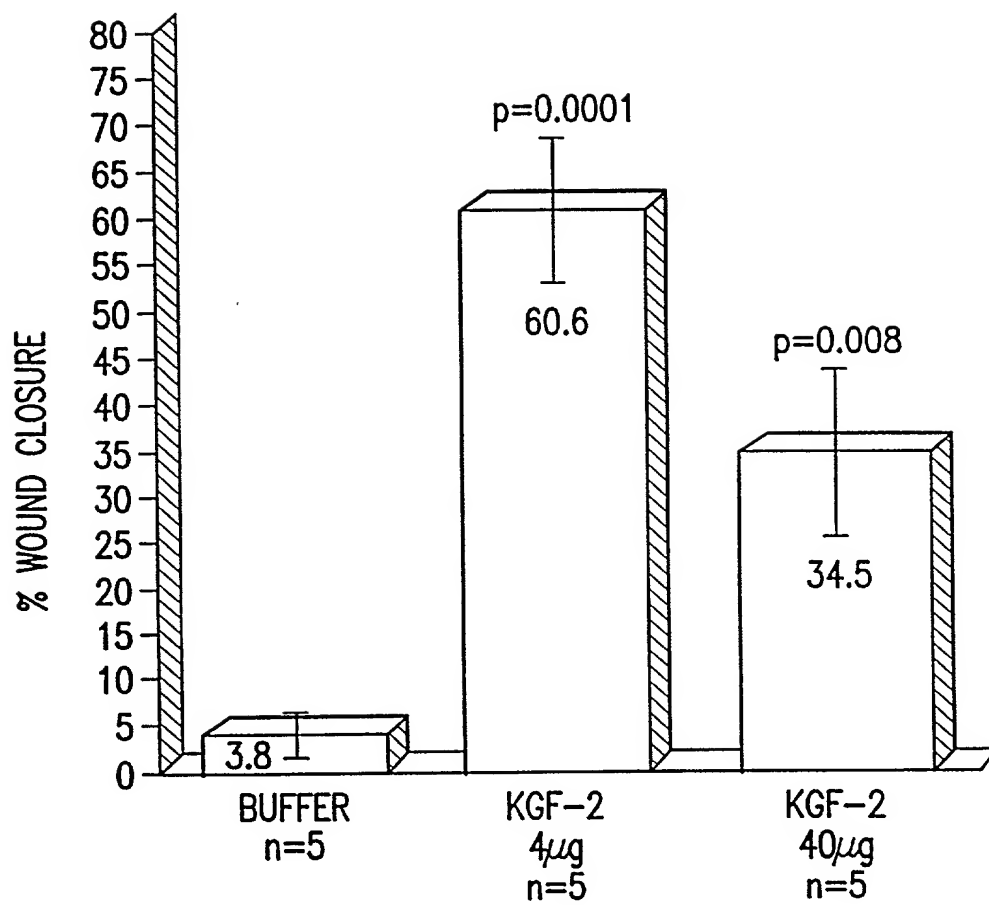


FIG.5

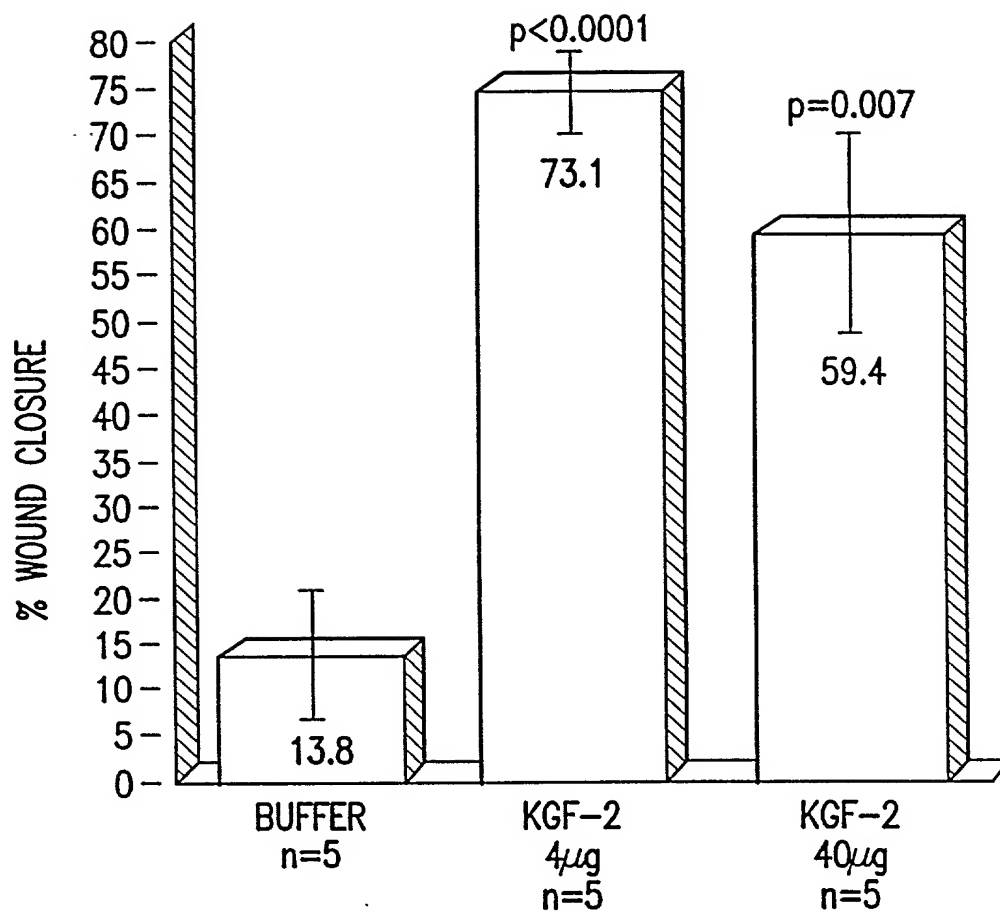


FIG.6

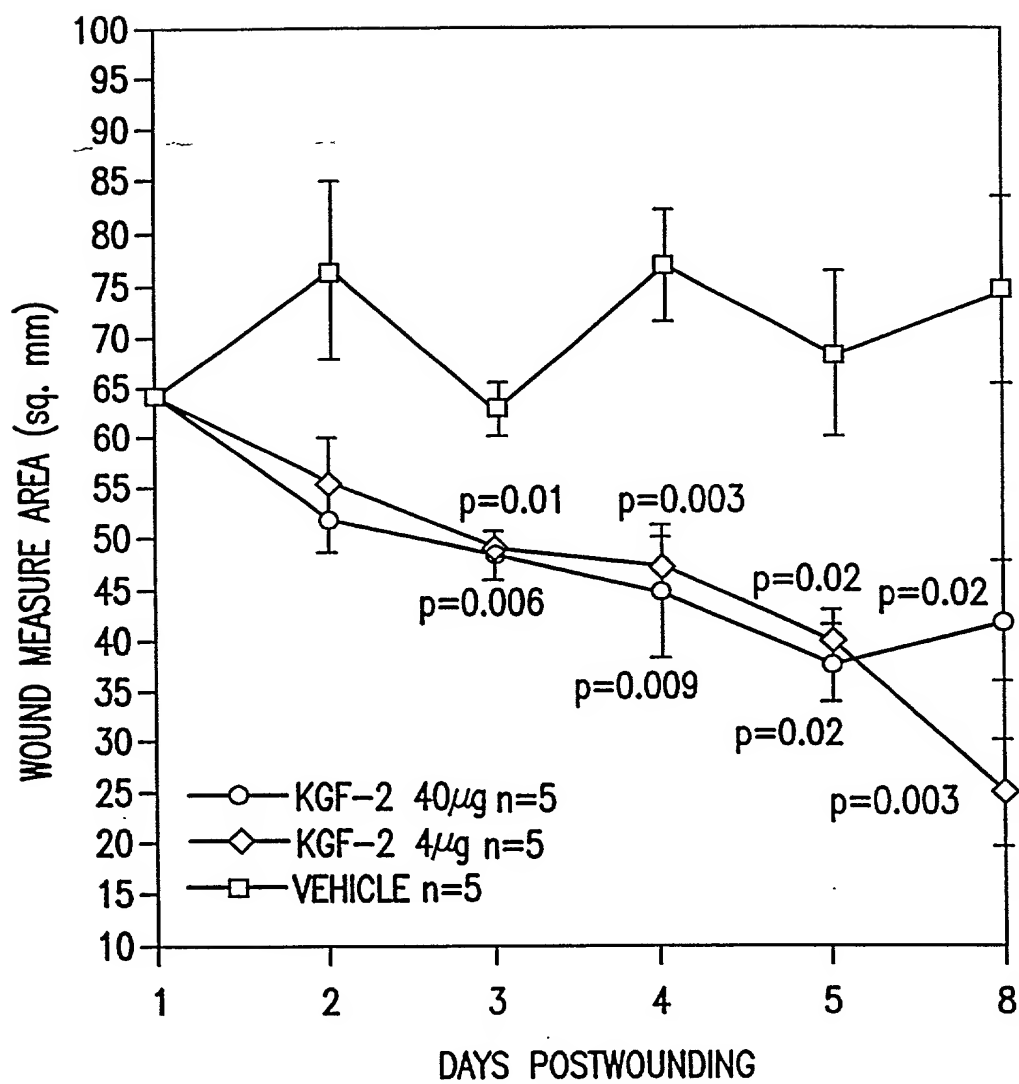


FIG.7

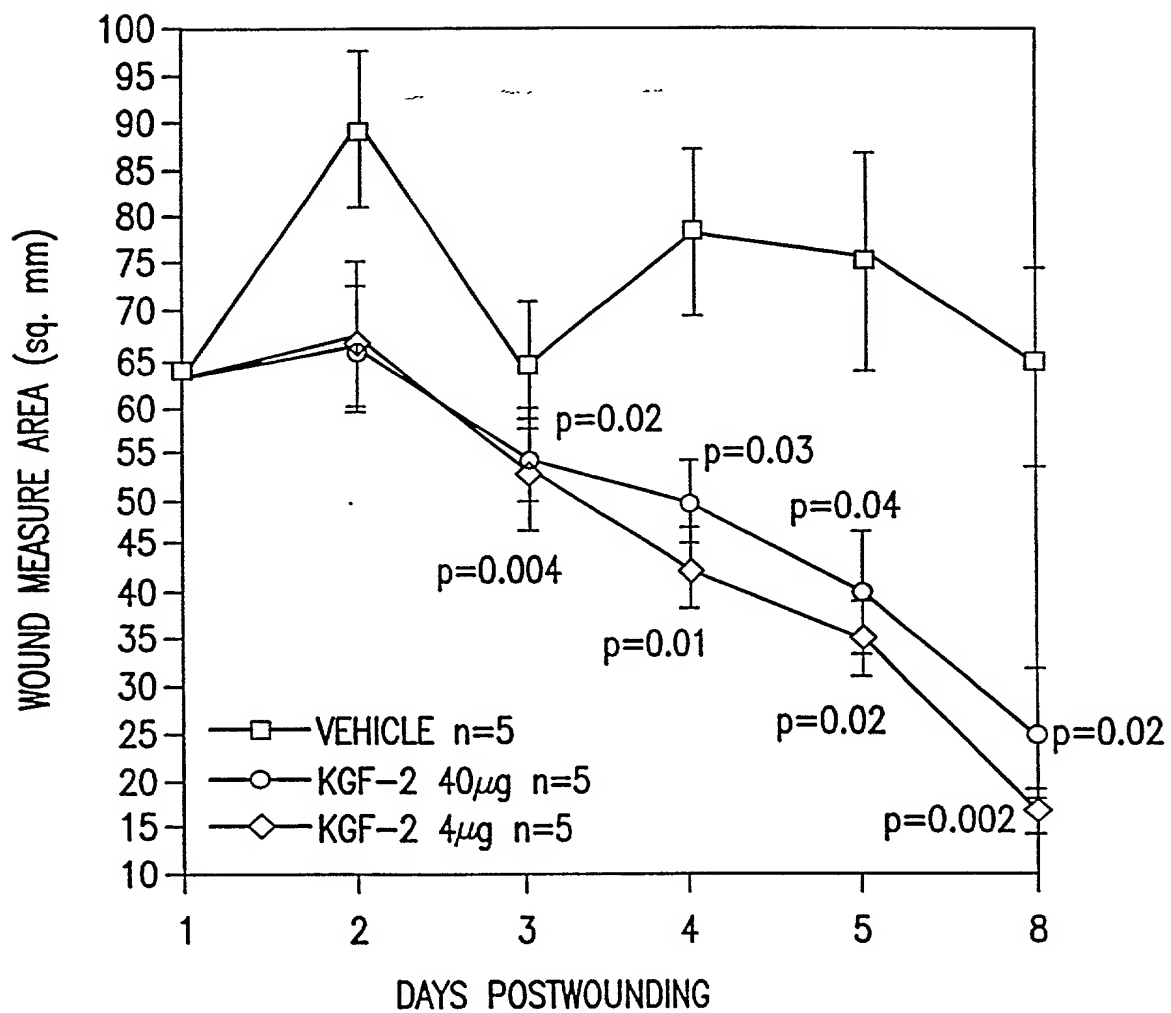
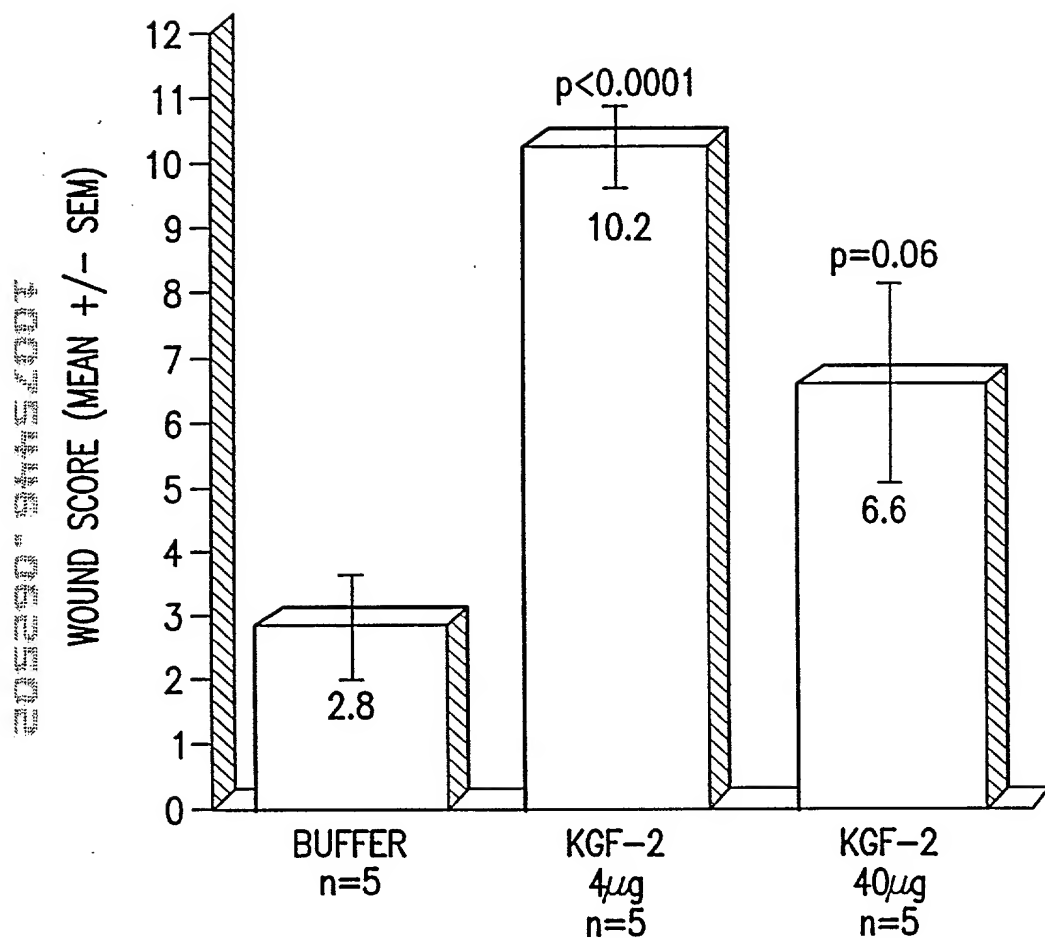
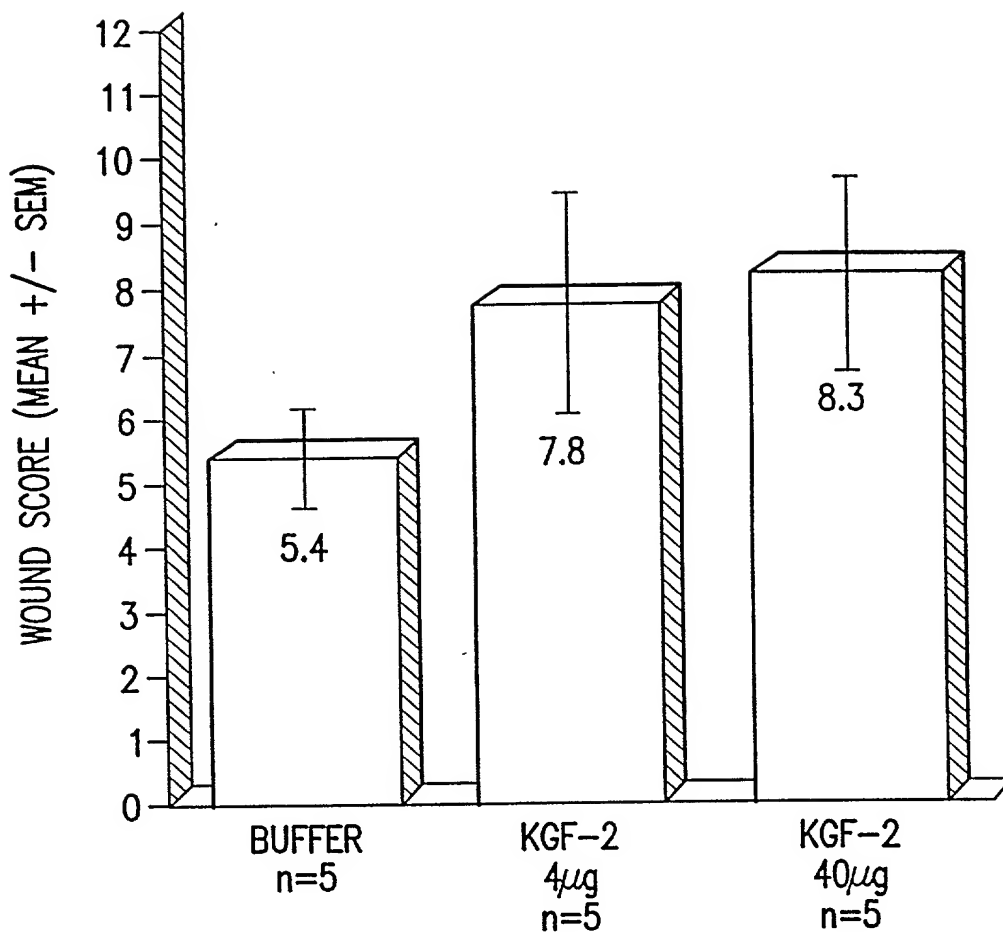


FIG.8



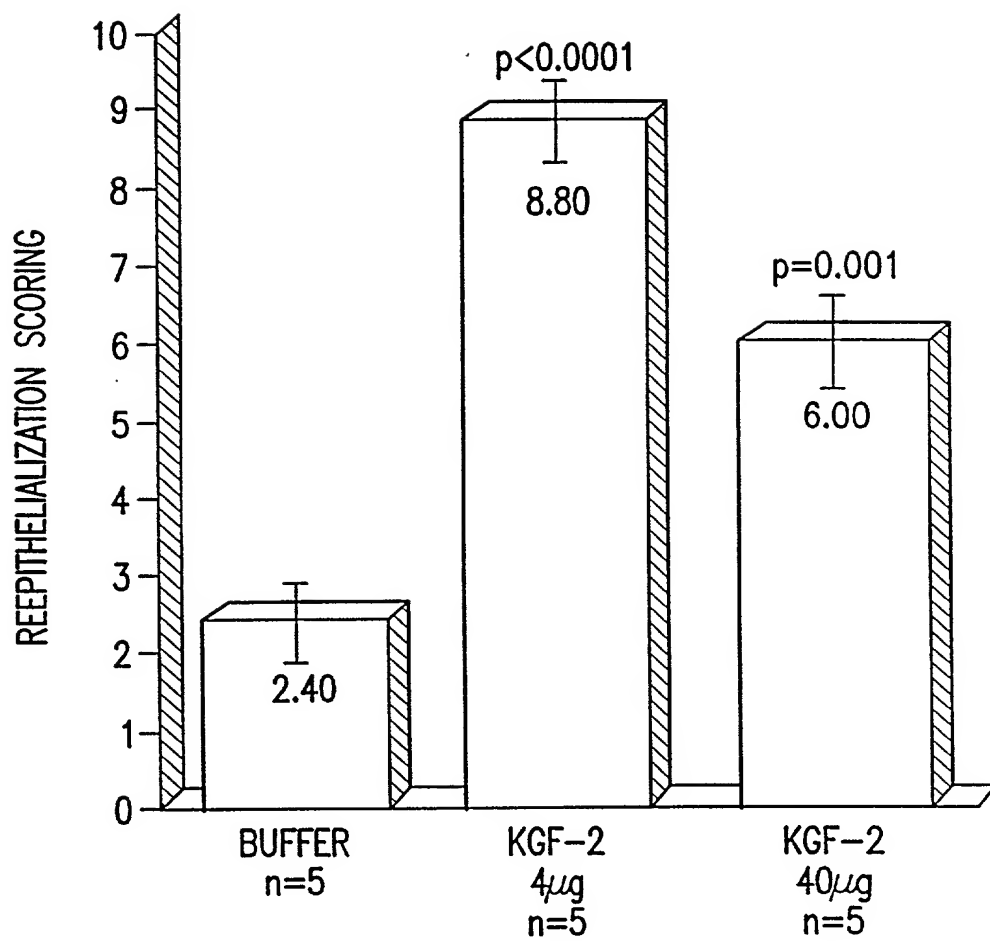
1-3 MINIMAL CELL ACCUMULATION, NO GRANULATION  
4-6 IMMATURE GRANULATION, INFLAMMATORY CELLS, CAPILLARIES  
10-12 FIBROBLASTS, COLLAGEN, EPITHELIUM

FIG.9



1-3 MINIMAL CELL ACCUMULATION, NO GRANULATION  
4-6 IMMATURE GRANULATION, INFLAMMATORY CELLS, CAPILLARIES  
7-9 GRANULATION TISSUE, CELLS, FIBROBLASTS, NEW EPITHELIUM  
10-12 FIBROBLASTS, COLLAGEN, EPITHELIUM

FIG.10



ANTI-CYTOKERATIN IMMUNOSTAINING  
0-NO CLOSURE  
5-SLIGHT TO MODERATE CLOSURE  
10-COMPLETE CLOSURE

FIG.11

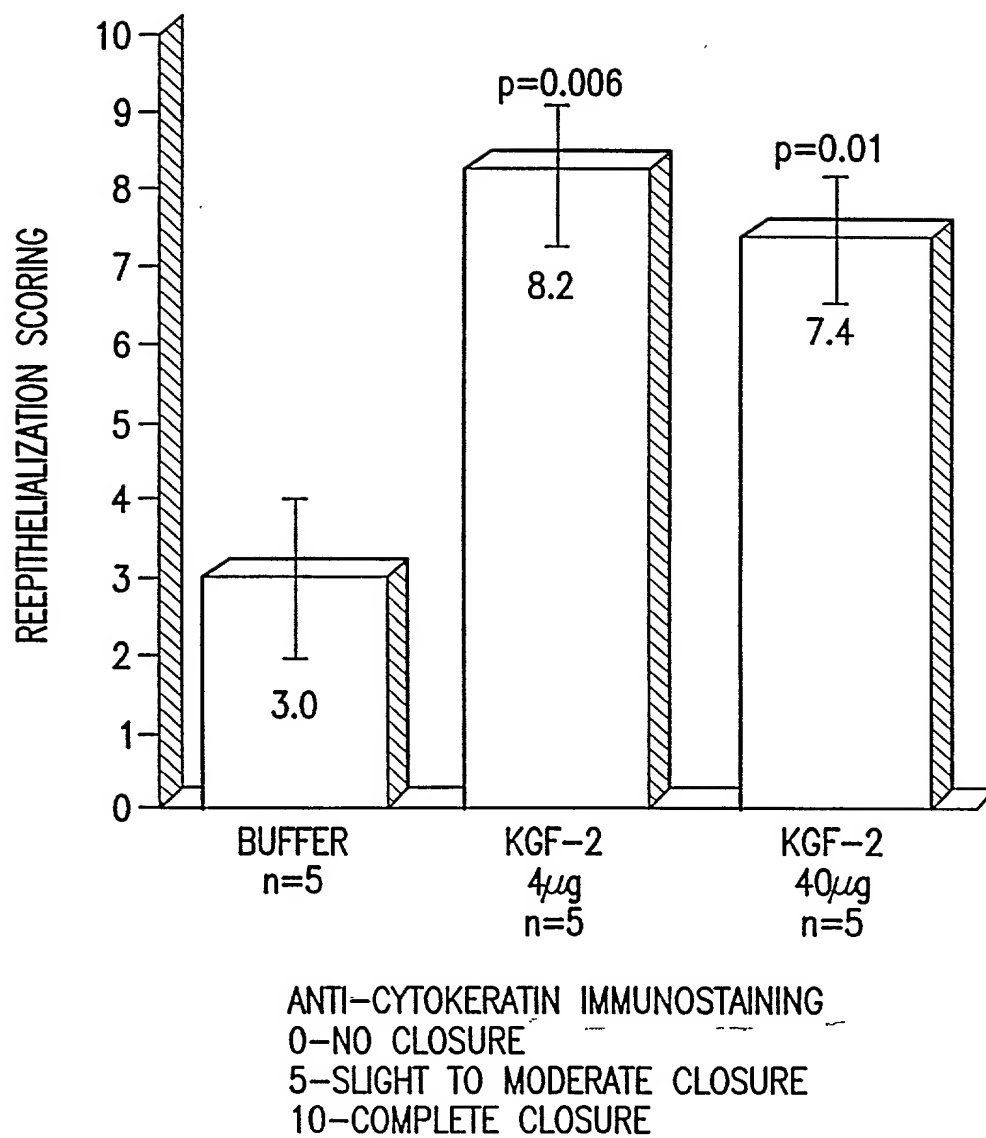
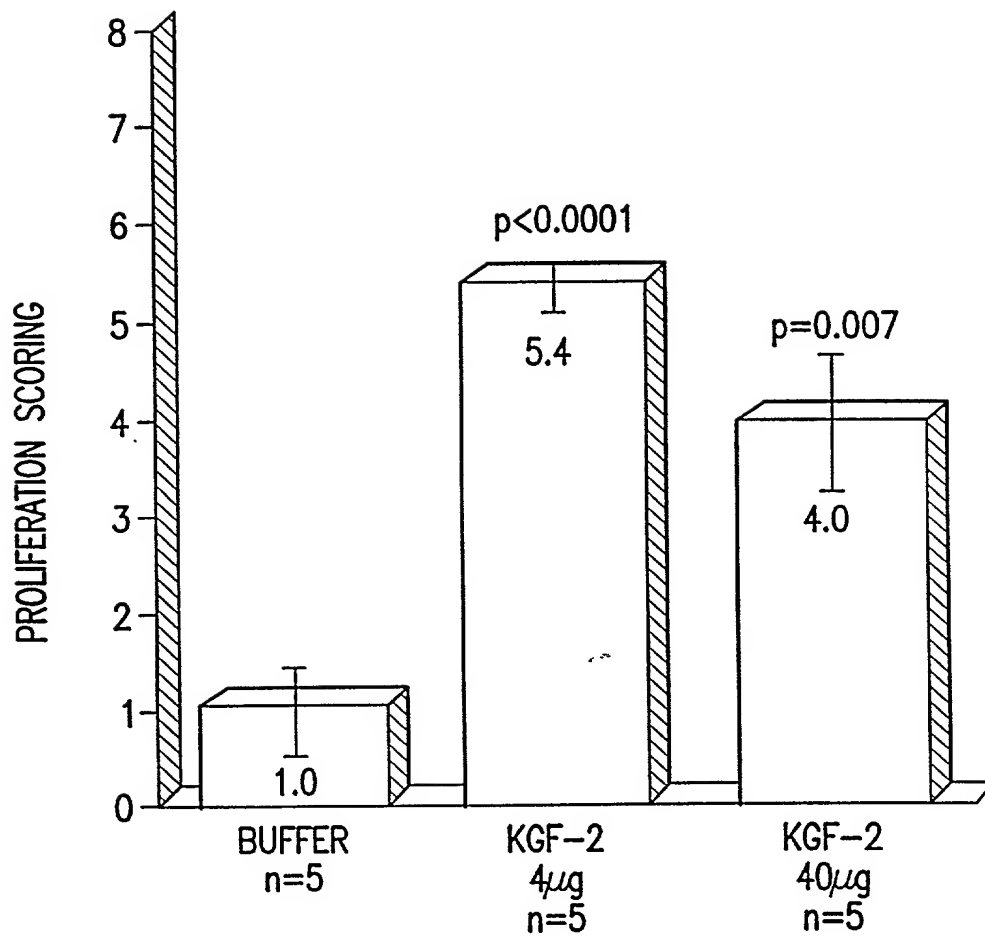


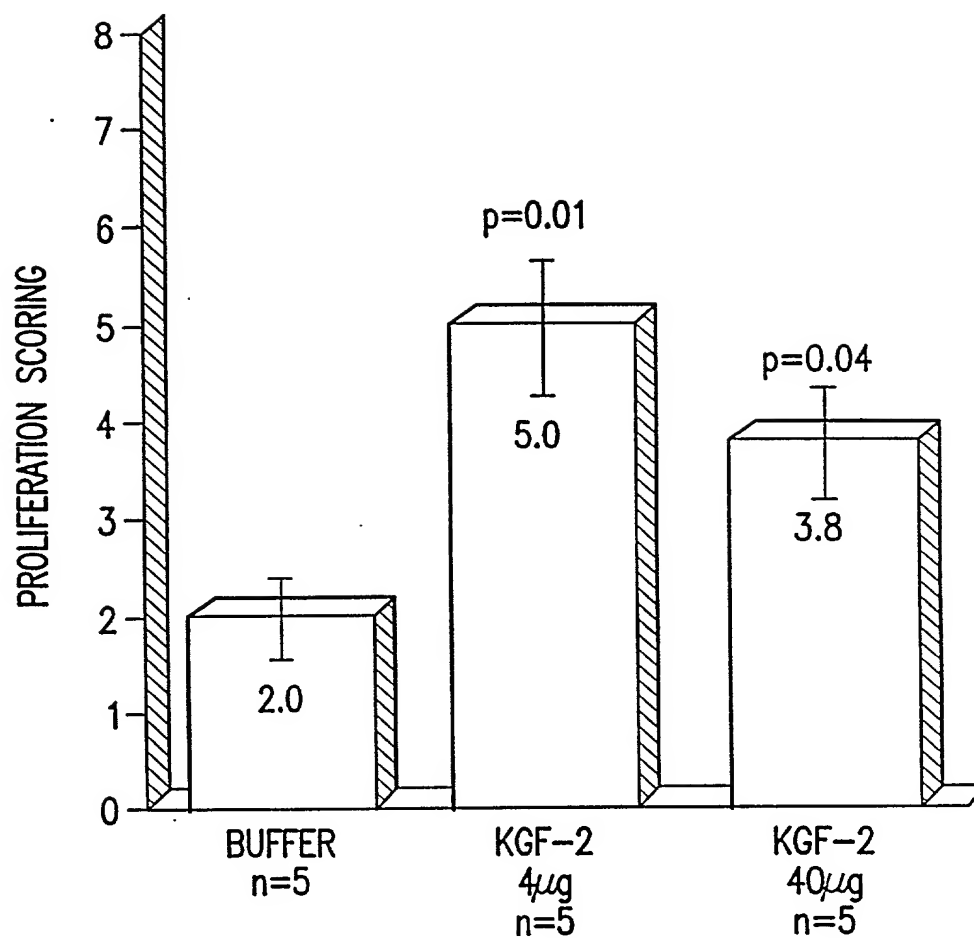
FIG.12





PCNA SCORING  
0-2 SLIGHT PROLIFERATION  
3-5 MODERATE PROLIFERATION  
6-8 INTENSE PROLIFERATION

FIG.13



PCNA SCORING  
0-2 SLIGHT PROLIFERATION  
3-5 MODERATE PROLIFERATION  
6-8 INTENSE PROLIFERATION

FIG.14

ATGAGAGGATCGCATCACCATCACCATCAGGATCCTGCCAGGCTCTGGGT  
 AGGACATGGTTTCTCCGAAGCTACCAACTCTTCCTCTTCCTCTTTCTCTTCCC  
 CGTCTTCCGCTGGTCGTACGTTGTTCTTACAACCACCTGCAGGGTGACGTT  
 GTTGGCGTAACTGTTCTCTTTCACCAATACTTCCTGAAAATCGAAAA  
 AACGGTAAAGTTTCTGGGACCAAGAAGGAGAACTGCCCGTACAGCATCCTG  
 GAGATAACATCAGTAGAAATCGGAGTTGTTGCCGTCAAAGCCATTAACAG  
 CAACTATTACTTAGCCATGAACAAGAAGGGGAACTCTATGGCTCAAAG  
 AATTTAACAATGACTGTAAGCTGAAGGAGAGGATAGAGGAAAATGGAT  
 ACAATACCTATGCATCATTTAACTGGCAGCATAATGGGAGGCAAATGTAT  
 GTGGCATTGA<sub>d</sub>TGGAAAAGGAGCTCCA<sub>d</sub>GGAGAGGACAGAAAACACGAAG  
 GAAAAACACCTCTGCTCACTTTCTTCCAATGGTGGTACACTCATAG

MRGSHHHHHGSCQALGQDMVSPEATNSSSSSFSSPSSAGRHVRSYNHLQGD  
 VRWRKLFSTKYFLKIEKNGKVSGTKKENCPYSILEITSVEIGVVAVKAINSN  
 YYLAMNKKGKLYGSKEFNNDCKLKERIEENGYNTYASFNNQHNGRQMYVA  
 LNGKGAPRRGQKTRRKNTSAHFLPMVVHS

kgf-2 synthetic cys37 Bam HI  
 AAAGGATCCTGCCAGGCTCTGGGTCAGGACATG

FIG.15

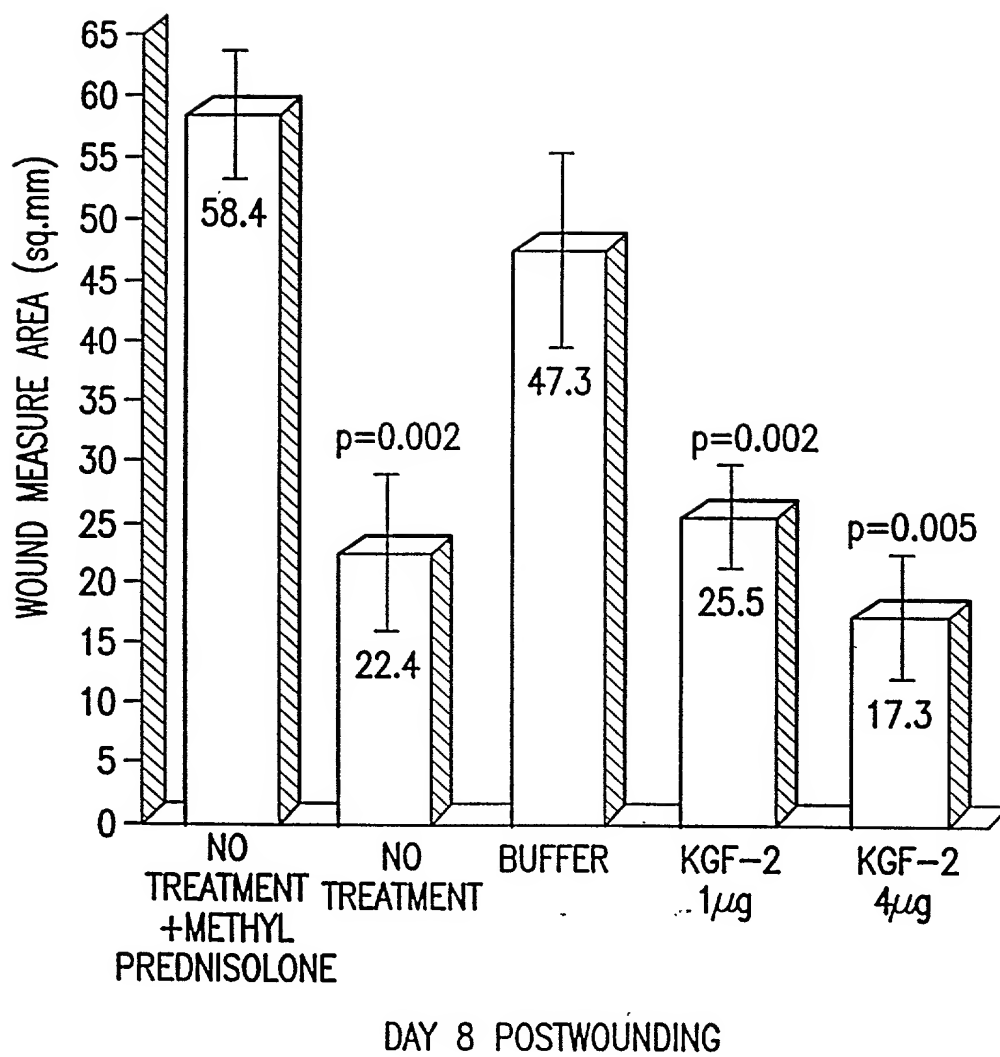
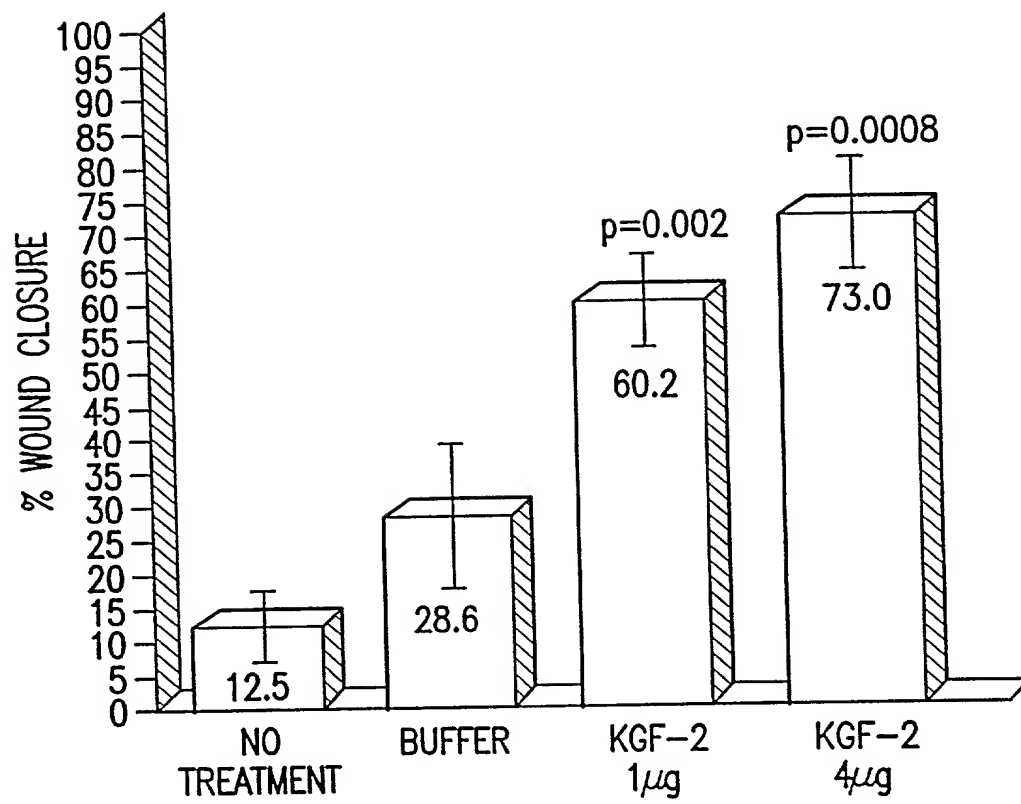


FIG.16



GLUCOCORTICOID TREATED ANIMALS

FIG.17

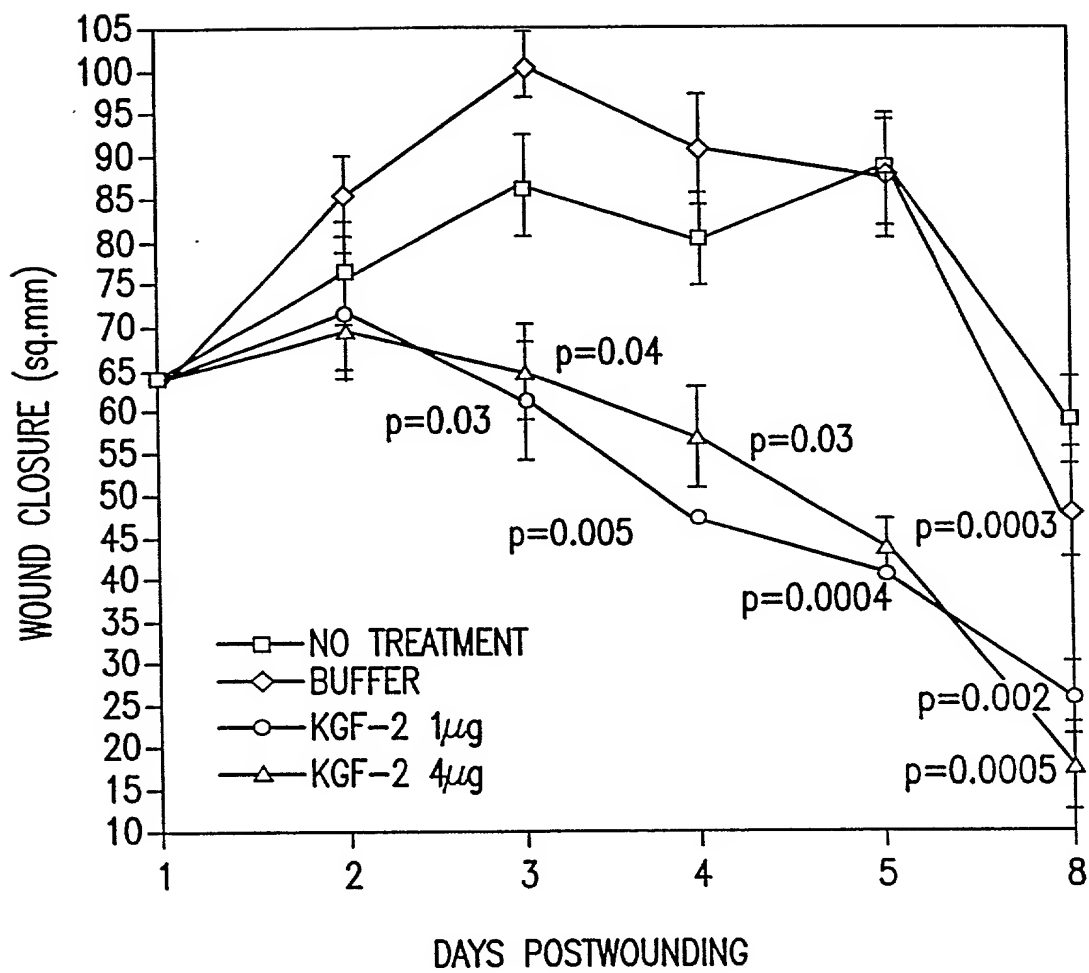


FIG.18

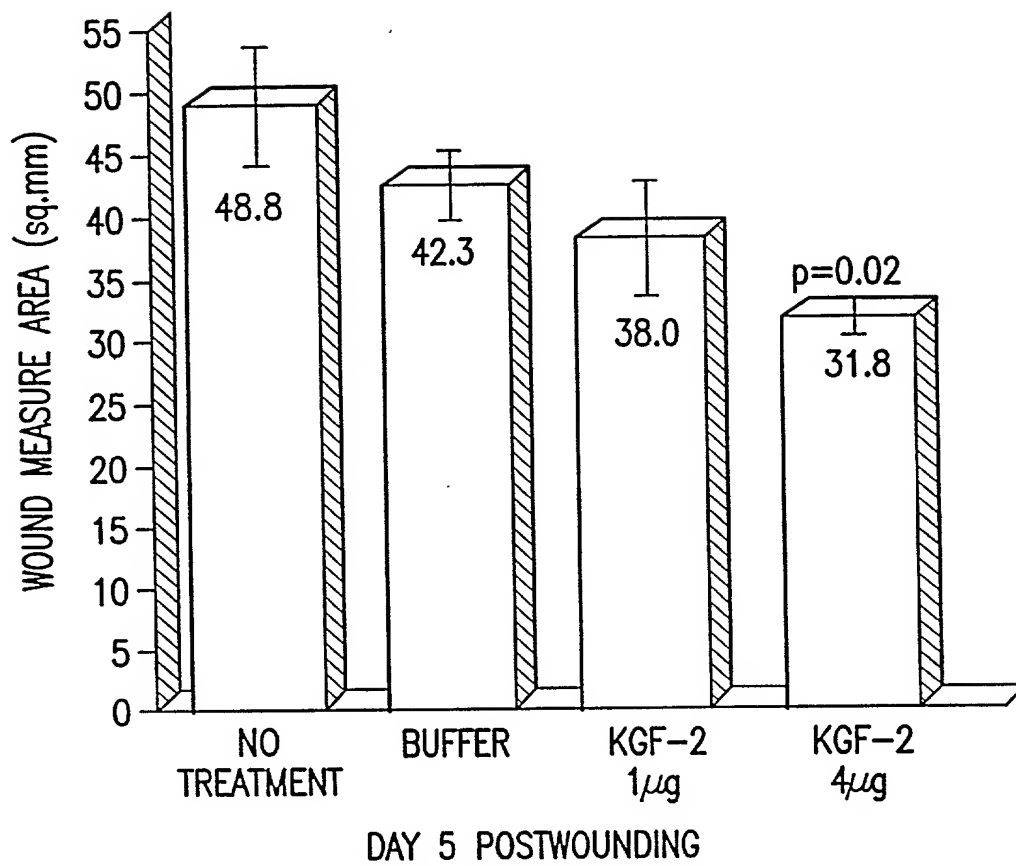


FIG.19A

## DAY 10 POSTWOUNDING

FIG. 19B



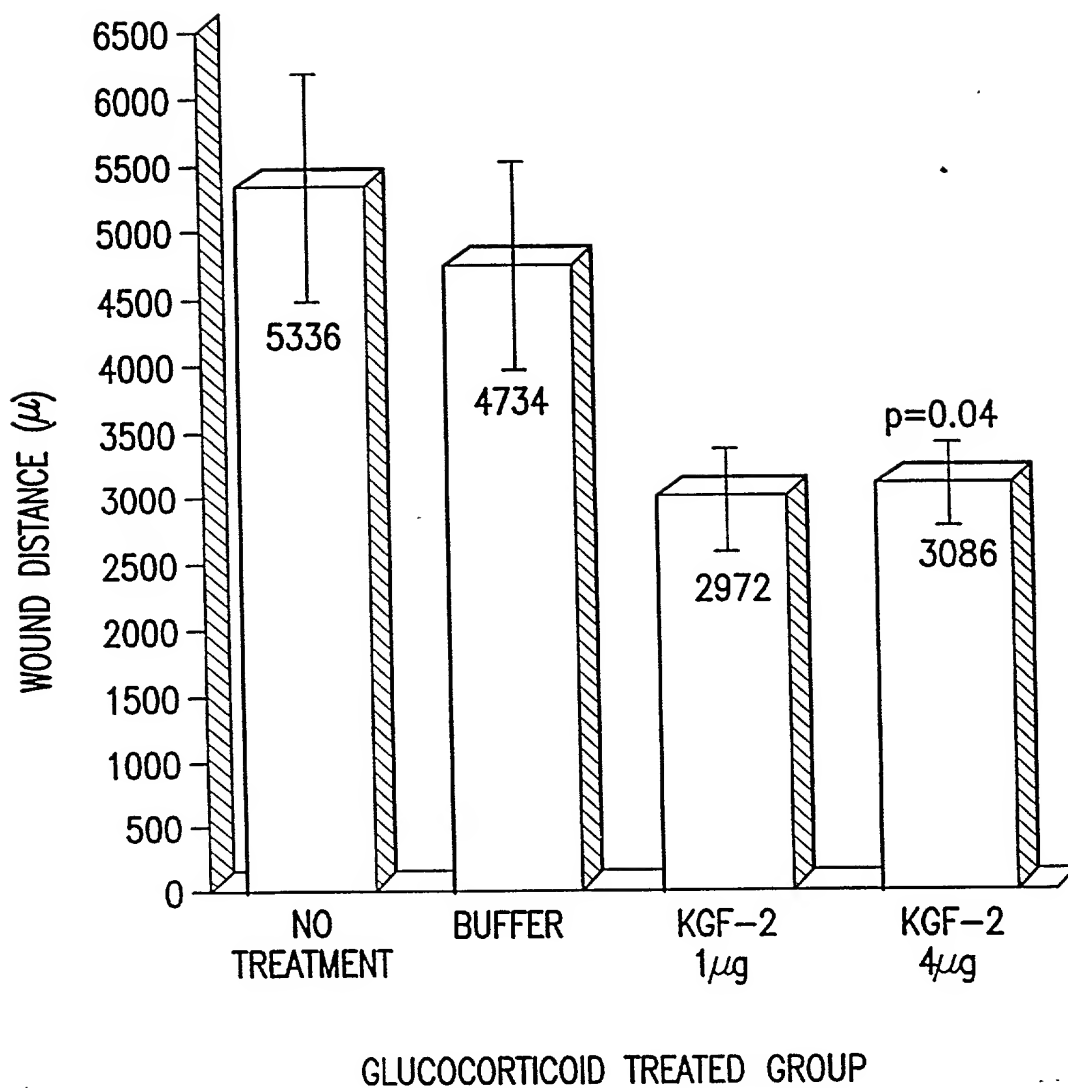


FIG.20

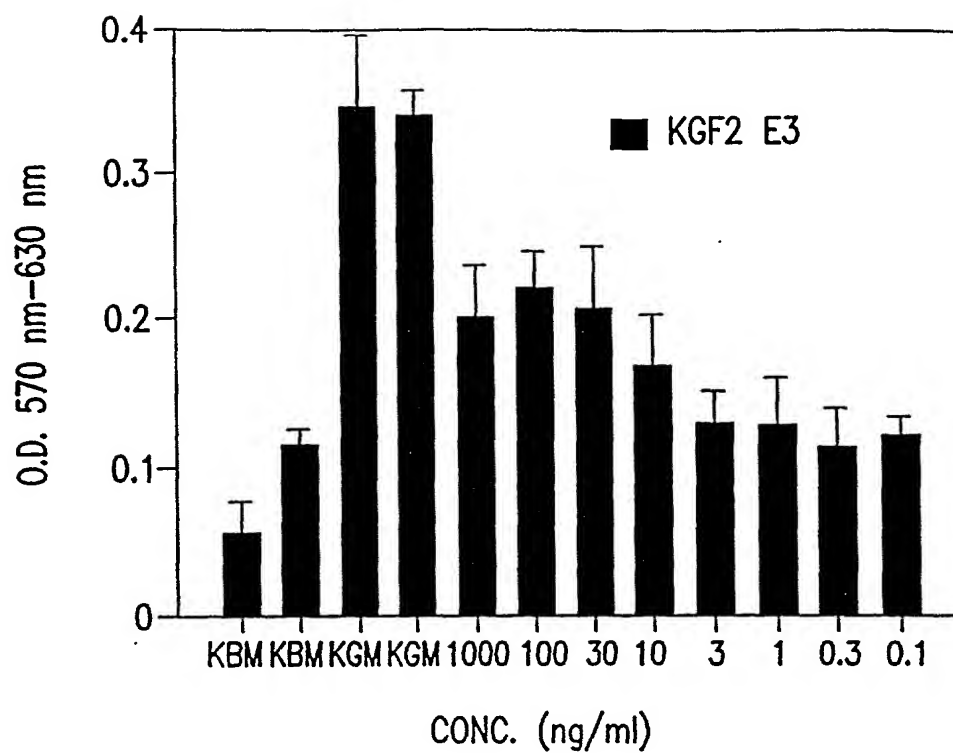


FIG.21A

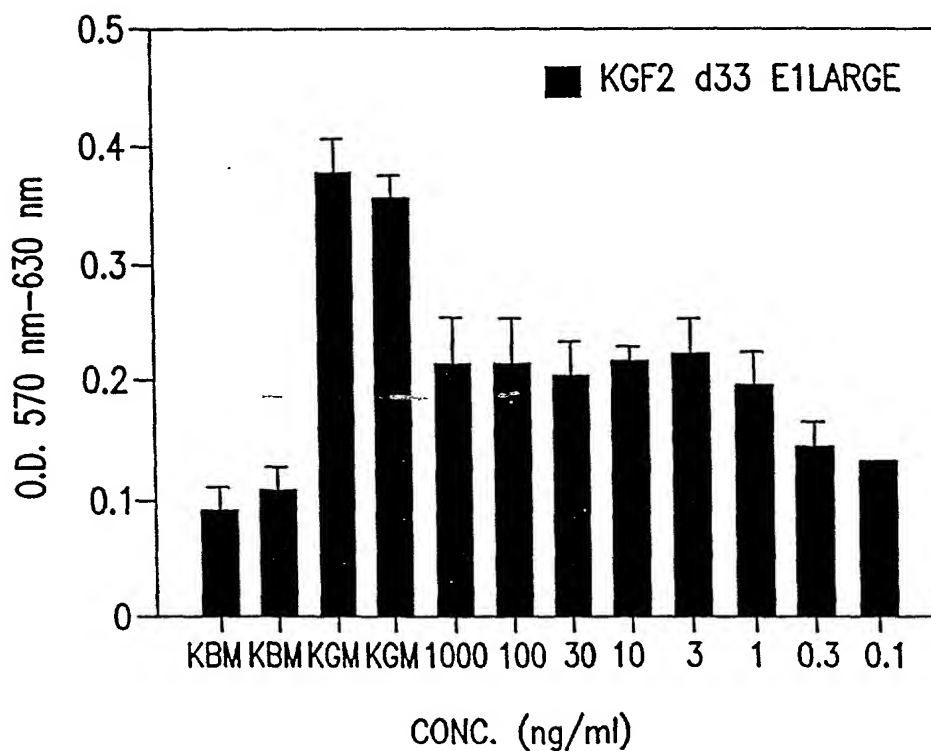


FIG.21B

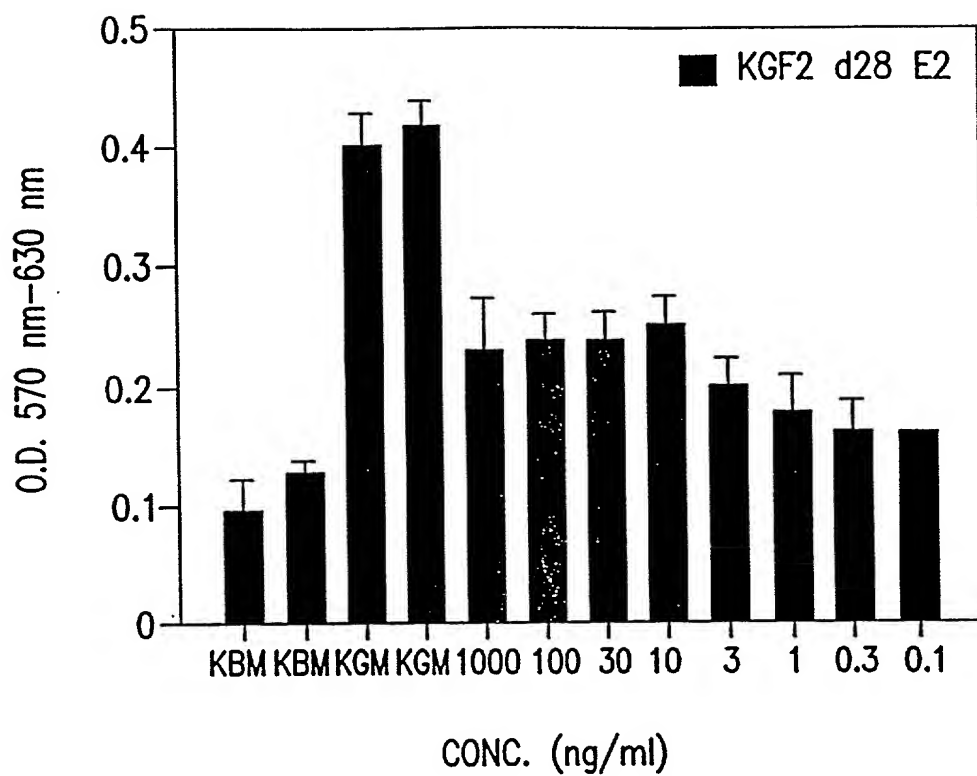


FIG.21C

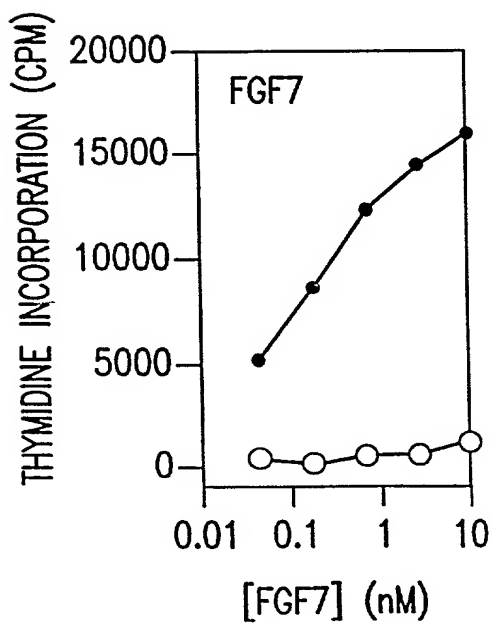


FIG.22A

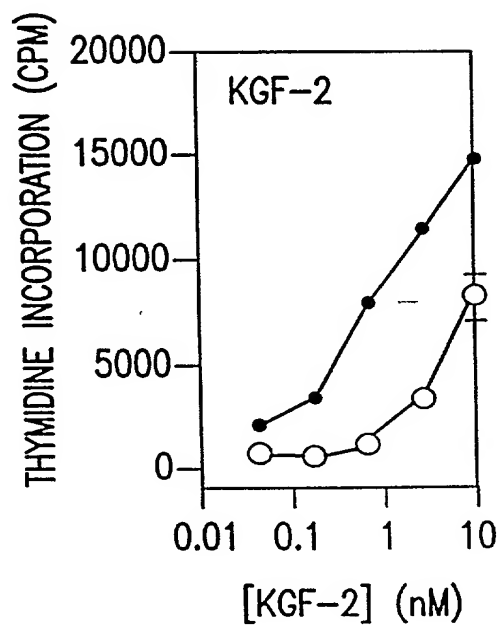


FIG.22A-1

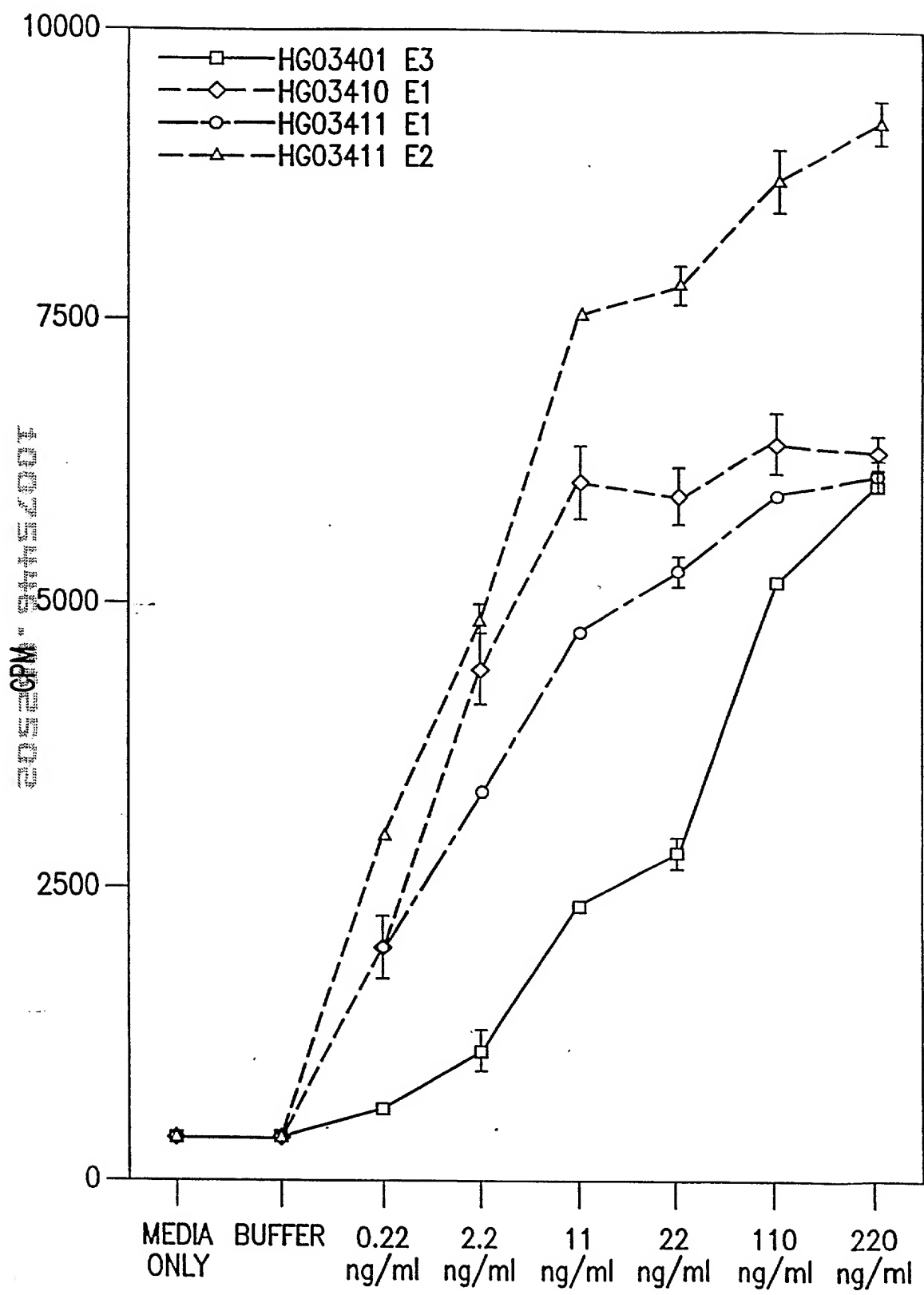


FIG.22B

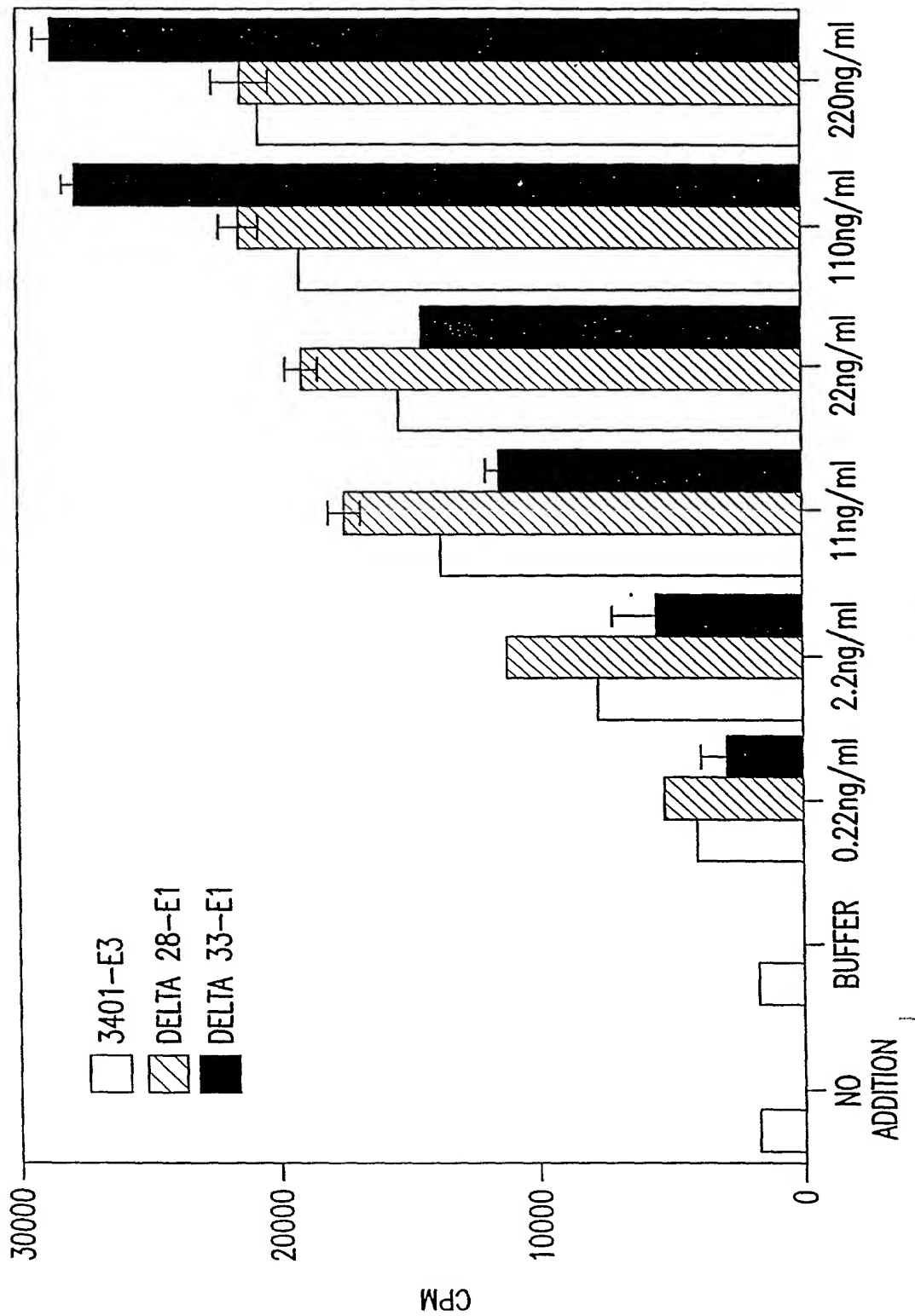


FIG.22C

ATGTGGAATGGATACTGACCCACTGCGCTTCTGCTTTCCCGCACCTGCCGGGTTGCTGC 60  
 Met Trp Lys Trp Ile Leu Thr His Cys Ala Ser Ala Phe Pro His Leu Pro Gly Cys Cys  
 |-----|  
 TGCTGCTGCTTCCTGCTGCTGTTCTTCTGTTCCGGTTACCTGCCAGGCTCTG 120  
 Cys Cys Cys Phe Leu Leu Leu Phe Leu Val Ser Ser Val Pro Val Thr Cys Gln Ala Leu  
 |-----|  
 GGTCAGGACATGGTTTCTCCGGAAGCTACCAACTCTTCCTCTTCCTCTTTCTCTTCCCCG 180  
 Gly Gln Asp Met Val Ser Pro Glu Ala Thr Asn Ser Ser Ser Ser Ser Phe Ser Ser Pro  
 |-----|  
 ACTTCCGCTGGTCGTCACGTTCTTACAACCACCTGCAGGGTGACGTTTCGTTGGCGT 240  
 Thr Ser Ala Gly Arg His Val Arg Ser Tyr Asn His Leu Gln Gly Asp Val Arg Trp Arg  
 |-----|  
 AAAGTGTCTCTTTACCAAATACTTCCTGAAAATCGAAAAAACGGTAAAGTTTCTGGG 300  
 Lys Leu Phe Ser Phe Thr Lys Tyr Phe Leu Lys Ile Glu Lys Asn Gly Lys Val Ser Gly  
 |-----|  
 ACCAAGAAGGAGAACTGCCCCGTACAGCATCCTGGAGATAACATCAGTAGAAATCGGAGTT 360  
 Thr Lys Lys Glu Asn Cys Pro Tyr Ser Ile Leu Glu Ile Thr Ser Val Glu Ile Gly Val  
 |-----|  
 GTTGCCGTCAAAGCCATTAACAGCAACTATTACTTAGCCATGAACAAGAAGGGGAAACTC 420  
 Val Ala Val Lys Ala Ile Asn Ser Asn Tyr Tyr Leu Ala Met Asn Lys Lys Gly Lys Leu  
 |-----|  
 TATGGCTCAAAAGAATTTAACAATGACTGTAAGCTGAAGGAGAGGATAGAGGAAAATGGA 480  
 Tyr Gly Ser Lys Glu Phe Asn Asn Asp Cys Lys Leu Lys Glu Arg Ile Glu Glu Asn Gly  
 |-----|  
 TACAATACCTATGCATCATTTAACTGGCAGCATAATGGGAGGCAAATGTATGTGGCATTG 540  
 Tyr Asn Thr Tyr Ala Ser Phe Asn Trp Gln His Asn Gly Arg Gln Met Tyr Val Ala Leu  
 |-----|  
 AATGGAAAAGGAGCTCCAAGGAGAGGACAGAAAACACGAAGGAAAAACACCTCTGCTCAC 600  
 Asn Gly Lys Gly Ala Pro Arg Arg Gly Gln Lys Thr Arg Arg Lys Asn Thr Ser Ala His  
 |-----|  
 TTTCTTCCAATGGTGGTACACTCATAG 627  
 Phe Leu Pro Met Val Val His Ser \*  
 |-----|

FIG.23

ATGACCTGCCAGGCTCTGGGTCAGGACATGGTTTCTCCGGAAGCTACCAACTCTTCCTCT 60  
MetThrCysGlnAlaLeuGlyGlnAspMetValSerProGluAlaThrAsnSerSerSer

TCCTCTTTCTCTTCCCCGTCTTCCGCTGGTCGTCACGTTCTTACAACCACCTGCAG 120  
SerSerPheSerSerProSerSerAlaGlyArgHisValArgSerTyrAsnHisLeuGln

GGTGACGTTCTGTTGGCGTAACTGTTCTCTTTCACCAAATACTTCCTGAAAATCGAAAAA 180  
GlyAspValArgTrpArgLysLeuPheSerPheThrLysTyrPheLeuLysIleGluLys

AACGGTAAAGTTTCTGGGACCAAGAAGGAGAACTGCCCCGTACAGCATCCTGGAGATAACA 240  
AsnGlyLysValSerGlyThrLysLysGluAsnCysProTyrSerIleLeuGluIleThr

TCAGTAGAAATCGGAGTTGTTGCCGTCAAAGCCATTAACAGCAACTATTACTTAGCCATG 300  
SerValGluIleGlyValValAlaValLysAlaIleAsnSerAsnTyrTyrLeuAlaMet

AACAAGAAGGGGAACTCTATGGCTCAAAGAATTTAACAATGACTGTAAGCTGAAGGAG 360  
AsnLysLysGlyLysLeuTyrGlySerLysGluPheAsnAsnAspCysLysLeuLysGlu

AGGATAGAGGAAAATGGATACAATACCTATGCATCATTTAACTGGCAGCATAATGGGAGG 420  
ArgIleGluGluAsnGlyTyrAsnThrTyrAlaSerPheAsnTrpGlnHisAsnGlyArg

CAAATGTATGTGGCATTGAATGGAAAAGGAGCTCCAAGGAGAGGACAGAAAACACGAAGG 480  
GlnMetTyrValAlaLeuAsnGlyLysGlyAlaProArgArgGlyGlnLysThrArgArg

AAAAACACCTCTGCTCACTTTCTTCCAATGGTGGTACACTCATAG 525  
LysAsnThrSerAlaHisPheLeuProMetValValHisSer \*

FIG.24A

ATGACTTGCCAGGCACTGGGTCAAGACATGGTTTCCCGGAAGCTACCAACAGCTCCAGCTCTAGCTTCA  
 |-----|-----|-----|-----|-----|-----|-----|-----|-----|-----| 70  
 TACTGAACGGTCCGTGACCCAGTTCTGTACCAAAGGGCCCTTCGATGGTTGTGAGGTGAGATCGAAGT  
 M T C Q A L G Q D M V S P E A T N S S S S S F  
 |-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|  
 GCAGCCCATCTAGCGCAGGTGTCACGTTGCTCTTACAACCACTTACAGGGTGATGTTGTTGGCGCAA  
 |-----|-----|-----|-----|-----|-----|-----|-----|-----|-----| 140  
 CGTCGGGTAGATCGCGTCCAGCAGTGAAGCGAGAATGTTGGTGAATGTCCCACTACAAGCAACCGCGTT  
 S S P S S A G R H V R S Y N H L Q G D V R W R K  
 |-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|  
 ACTGTTCAAGCTTTACCAAGTACTTCTGAAAATCGAAAAAAGGTAAAGTTTCTGGGACCAAGAAGGAG  
 |-----|-----|-----|-----|-----|-----|-----|-----|-----|-----| 210  
 TGACAAGTCGAAATGGTTCATGAAGGACTTTTAGCTTTTTTGGCATTCAAAGACCGTGGTCTTCTCCTC  
 L F S F T K Y F L K I E K N G K V S G T K K E  
 |-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|  
 AACTGCCCGTACAGCATCCTGGAGATAACATCAGTAGAAATCGGAGTTGTTGCCGTCAAAGCCATTAACA  
 |-----|-----|-----|-----|-----|-----|-----|-----|-----|-----| 280  
 TTGACGGGCATGTGCTAGGACCTCTATTGTAGTCATCTTAGCCTCAACAACGGCAGTTTCGGTAATTGT  
 N C P Y S I L E I T S V E I G V V A V K A I N  
 |-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|  
 GCAACTATTACTTAGCCATGAACAAGAAGGGGAACTCTATGGCTCAAAGAATTTAACAATGACTGTAA  
 |-----|-----|-----|-----|-----|-----|-----|-----|-----|-----| 350  
 CGTTGATAATGAATCGGTACTTGTCTTCCCTTTGAGATACCGAGTTTTCTTAAATTGTTACTGACATT  
 S N Y Y L A M N K K G K L Y G S K E F N N D C K  
 |-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|  
 GCTGAAGGAGAGGATAGAGGAAATGGATACAATACCTATGCATCATTAACTGGCAGCATAATGGGAGG  
 |-----|-----|-----|-----|-----|-----|-----|-----|-----|-----| 420  
 CGACTTCCTCTCCTATCTCCTTTTACCTATGTTATGGATACGTAGTAAATTGACCGTGGTATTACCTCC  
 L K E R I E E N G Y N T Y A S F N W Q H N G R  
 |-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|  
 CAAATGTATGTGGCATTGAATGGAAAAGGAGCTCCAAGGAGAGGACAGAAAACAGGAAGGAAAAACACCT  
 |-----|-----|-----|-----|-----|-----|-----|-----|-----|-----| 490  
 GTTTACATACCGTAACTTACCTTTTCTCGAGGTTCCTCTCCTGTCTTTGTGCTTCCTTTTGTGGA  
 Q M Y V A L N G K G A P R R G Q K T R R K N T  
 |-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|  
 CTGCTCACTTTCTTCCAATGGTGGTACACTCATAG  
 |-----|-----|-----|-----|-----|-----|-----|-----|-----|-----| 525  
 GACGAGTGAAAGAAGTTACCACCATGTGAGTATC  
 S A H F L P M V V H S  
 |-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|

FIG.24B



ATGACCTGCCAGGCTCTGGGTCAGGACATGGTTTCTCCGGAAGCTACCAACTCTTCC  
TCTTCCTCTTTCTCTTCCCCGTCTTCGCTGGTCGTCACGTTCTTACAACCAC  
CTGCAGGGTGACGTTGTTGGCGTAACTGTTCTCTTTCACCAAATACTTCCTGAAA  
ATCGAAAAAACGGTAAAGTTTCTGGGACCAAGAAGGAGAACTGCCCGTACAGCATC  
CTGGAGATAACATCAGTAGAAATCGGAGTTGTTGCCGTCAAAGCCATTAACAGCAAC  
TATTACTTAGCCATGAACAAGAAGGGGAACTCTATGGCTCAAAAGAATTTAACAAT  
GACTGTAAGCTGAAGGAGAGGATAGAGGAAAATGGATACAATACCTATGCATCATTT  
AACTGGCAGCATAATGGGAGGCAAATGTATGTGGCATTGAATGGAAAAGGAGCTCCA  
AGGAGAGGACAGAAAACACGAAGGAAAAACACCTCTGCTCACTTTCTTCCAATGGTG  
GTACACTCATAG

MTCQALGQDMVSPEATNSSSSSFSSPSSAGRHVRSYNHLOGDVRWRKLSFTKYFLKIE  
KNGKVSGETTKENCPYSILEITSVEIGVVAVKAINSNYLAMNKKGKLYGSKEFNNDCKL  
KERIEENGYNTYASFNWQHNGRQMYVALNGKGAPRRGQKTRRKNTSAHFLPMVVHS.

## FIG.25

ATGGCTGGTCGTCACGTTCTTACAACCACCTGCAGGGTGACGTTGTTGGCGT  
AACTGTTCTCTTTCACCAAATACTTCCTGAAAATCGAAAAAACGGTAAAGTTTCT  
GGGACCAAGAAGGAGAACTGCCCGTACAGCATCCTGGAGATAACATCAGTAGAAATC  
GGAGTTGTTGCCGTCAAAGCCATTAACAGCAACTATTACTTAGCCATGAACAAGAAG  
GGGAACTCTATGGCTCAAAAGAATTTAACAATGACTGTAAGCTGAAGGAGAGGATA  
GAGGAAAATGGATACAATACCTATGCATCATTTAACTGGCAGCATAATGGGAGGCAA  
ATGTATGTGGCATTGAATGGAAAAGGAGCTCCAAGGAGAGGACAGAAAACACGAAGG  
AAAAACACCTCTGCTCACTTTCTTCCAATGGTGGTACACTCATAG

MAGRHVRSYNHLOGDVRWRKLSFTKYFLKIEKNGKVSGETTKENCPYSILEITSVEIGV  
VAVKAINSNYLAMNKKGKLYGSKEFNNDCKLKERIEENGYNTYASFNWQHNGRQMYVA  
LNGKGAPRRGQKTRRKNTSAHFLPMVVHS.

## FIG.26

ATGGTTCGTTGGCGTAACTGTTCTCTTTCACCAAATACTTCCTGAAAATCGAAAAA  
AACGGTAAAGTTTCTGGGACCAAGAAGGAGAACTGCCCCGTACAGCATCCTGGAGATA  
ACATCAGTAGAAATCGGAGTTGTTGCCGTCAAAGCCATTAACAGCAACTATTACTTA  
GCCATGAACAAGAAGGGGAACTCTATGGCTCAAAAGAATTTAACAATGACTGTAAG  
CTGAAGGAGAGGATAGAGGAAAATGGATACAATACCTATGCATCATTTAACTGGCAG  
CATAATGGGAGGCAAATGTATGTGGCATTGAATGGAAAAGGAGCTCCAAGGAGAGGA  
CAGAAAACACGAAGGAAAAACACCTCTGCTCACTTTCTTCCAATGGTGGTACACTCA  
TAG

MVRWRKLSFTKYFLKIEKNGKVSgtkkENCPYSILEITSVEIGVVAVKAINSnyyLAM  
NKKGKLYGSKEFNNDCKLKERIEENGYNTYASFNWQHNGRQMYVALNGKGAPRRGQKTR  
RKNTSAHFLPMVVHS.

FIG.27

ATGGAAAAAACGGTAAAGTTTCTGGGACCAAGAAGGAGAACTGCCCCGTACAGCAT  
CCTGGAGATAACATCAGTAGAAATCGGAGTTGTTGCCGTCAAAGCCATTAACAGCA  
ACTATTACTTAGCCATGAACAAGAAGGGGAACTCTATGGCTCAAAAGAATTTAAC  
AATGACTGTAAGCTGAAGGAGAGGATAGAGGAAAATGGATACAATACCTATGCATC  
ATTTAACTGGCAGCATAATGGGAGGCAAATGTATGTGGCATTGAATGGAAAAGGAG  
CTCCAAGGAGAGGACAGAAAACACGAAGGAAAAACACCTCTGCTCACTTTCTTCCA  
ATGGTGGTACACTCATAG

MEKNGKVSgtkkENCPYSILEITSVEIGVVAVKAINSnyyLAMNKKGKLYGSKEFNNDCK  
KLKERIEENGYNTYASFNWQHNGRQMYVALNGKGAPRRGQKTRRKNTSAHFLPMVVH  
S.

FIG.28

ATGGAGAAGTACCGGTACAGCATCCTGGAGATAACATCAGTAGAAATCGGAGTTGT  
TGCCGTCAAAGCCATTAACAGCAACTATTACTTAGCCATGAACAAGAAGGGGAAAC  
TCTATGGCTCAAAGAATTTAACAATGACTGTAAGCTGAAGGAGAGGATAGAGGAA  
AATGGATACAATACCTATGCATCATTTAACTGGCAGCATAATGGGAGGCAAATGTA  
TGTGGCATTGAATGGAAAAGGAGCTCCAAGGAGAGGACAGAAAAACACGAAGGAAAA  
ACACCTCTGCTCACTTTCTTCCAATGGTGGTACACTCATAG

MENCPSILEITSVEIGVVAVKAINSNYLAMNKKGKLYGSKEFNNDCKLKERIEENGY  
NTYASFNWQHNGRQMYVALNGKGAPRRGQKTRRKNTSAHFLPMVVHS.

## FIG.29

ATGGTCAAAGCCATTAACAGCAACTATTACTTAGCCATGAACAAGAAGGGGAACT  
CTATGGCTCAAAGAATTTAACAATGACTGTAAGCTGAAGGAGAGGATAGAGGAAA  
ATGGATACAATACCTATGCATCATTTAACTGGCAGCATAATGGGAGGCAAATGTAT  
GTGGCATTGAATGGAAAAGGAGCTCCAAGGAGAGGACAGAAAAACACGAAGGAAAA  
CACCTCTGCTCACTTTCTTCCAATGGTGGTACACTCATAG

MVKAINSNYLAMNKKGKLYGSKEFNNDCKLKERIEENGYNTYASFNWQHNGRQMY  
VALNGKGAPRRGQKTRRKNTSAHFLPMVVHS.

## FIG.30

ATGGGGAACTCTATGGCTCAAAGAATTTAACAATGACTGTAAGCTGAAGGAGAG  
GATAGAGGAAAATGGATACAATACCTATGCATCATTTAACTGGCAGCATAATGGGA  
GGCAAATGTATGTGGCATTGAATGGAAAAGGAGCTCCAAGGAGAGGACAGAAAAACA  
CGAAGGAAAAACACCTCTGCTCACTTTCTTCCAATGGTGGTACACTCATAG

MGKLYGSKEFNNDCKLKERIEENGYNTYASFNWQHNGRQMYVALNGKGAPRRGQKT  
RRKNTSAHFLPMVVHS.

## FIG.31

ATGACCTGCCAGGCTCTGGGTCAGGACATGGTTTCTCCGGAAGCTACCAACTCTTCC  
TCTTCCTCTTTCTCTTCCCCGTCTTCCGCTGGTCGTACGTTGTTCTTACAACCAC  
CTGCAGGGTGACGTTGTTGGCGTAACTGTTCTCTTTCACCAAATACTTCCTGAAA  
ATCGAAAAAACGGTAAAGTTTCTGGGACCAAGAAGGAGAACTGCCCGTACAGCATC  
CTGGAGATAACATCAGTAGAAATCGGAGTTGTTGCCGTCAAAGCCATTAACAGCAAC  
TATTACTTAGCCATGAACAAGAAGGGGAACTCTATGGCTCAAAGAATTTAACAAT  
GACTGTAAGCTGAAG

MTCQALGQDMVSPEATNSSSSSFSSPSSAGRHVRSYNHLQGDVRWRKLFSFTKYFLKIE  
KNGKVSGETTKENCPYSILEITSVEIGVVAVKAINSYYLAMNKKGKLYGSKEFNNDCKL  
K

FIG.32

ATGGCTGGTCGTACGTTGTTCTTACAACCACCTGCAGGGTGACGTTGTTGGCGT  
AACTGTTCTCTTTCACCAAATACTTCCTGAAAATCGAAAAAACGGTAAAGTTTCT  
GGGACCAAGAAGGAGAACTGCCCGTACAGCATCCTGGAGATAACATCAGTAGAAATC  
GGAGTTGTTGCCGTCAAAGCCATTAACAGCAACTATTACTTAGCCATGAACAAGAAG  
GGGAACTCTATGGCTCAAAGAATTTAACAATGACTGTAAGCTGAAG

MAGRHVRSYNHLQGDVRWRKLFSFTKYFLKIEKNGKVSGETTKENCPYSILEITSVEIGV  
VAVKAINSYYLAMNKKGKLYGSKEFNNDCKLK

FIG.33

C-37 To Ser

ATGACCTCTCAGGCTCTGGGTGAGGACATGGTTTCTCCGGAAGCTACCAACTCTTCC  
TCTTCCTCTTTCTCTTCCCGTCTTCCGCTGGTCGTACGTTGTTCTTACAACCAC  
CTGCAGGGTGACGTTGTTGGCGTAACTGTTCTCTTTCACCAAATACTTCCTGAAA  
ATCGAAAAAACGGTAAAGTTTCTGGGACCAAGAAGGAGAACTGCCCGTACAGCATC  
CTGGAGATAACATCAGTAGAAATCGGAGTTGTTGCCGTCAAAGCCATTAAACAGCAAC  
TATTACTTAGCCATGAACAAGAAGGGGAACTCTATGGCTCAAAGAATTTAACAAT  
GACTGTAAGCTGAAGGAGAGGATAGAGGAAAATGGATACAATACCTATGCATCATTT  
AACTGGCAGCATAATGGGAGGCAAATGTATGTGGCATTGAATGGAAAAGGAGCTCCA  
AGGAGAGGACAGAAAACACGAAGGAAAAACACCTCTGCTCACTTTCTTCCAATGGTG  
GTACACTCATAG

FIG.34

C-106 To Ser

ATGACCTGCCAGGCTCTGGGTGAGGACATGGTTTCTCCGGAAGCTACCAACTCTTCC  
TCTTCCTCTTTCTCTTCCCGTCTTCCGCTGGTCGTACGTTGTTCTTACAACCAC  
CTGCAGGGTGACGTTGTTGGCGTAACTGTTCTCTTTCACCAAATACTTCCTGAAA  
ATCGAAAAAACGGTAAAGTTTCTGGGACCAAGAAGGAGAACTCTCCGTACAGCATC  
CTGGAGATAACATCAGTAGAAATCGGAGTTGTTGCCGTCAAAGCCATTAAACAGCAAC  
TATTACTTAGCCATGAACAAGAAGGGGAACTCTATGGCTCAAAGAATTTAACAAT  
GACTGTAAGCTGAAGGAGAGGATAGAGGAAAATGGATACAATACCTATGCATCATTT  
AACTGGCAGCATAATGGGAGGCAAATGTATGTGGCATTGAATGGAAAAGGAGCTCCA  
AGGAGAGGACAGAAAACACGAAGGAAAAACACCTCTGCTCACTTTCTTCCAATGGTG  
GTACACTCATAG

FIG.35

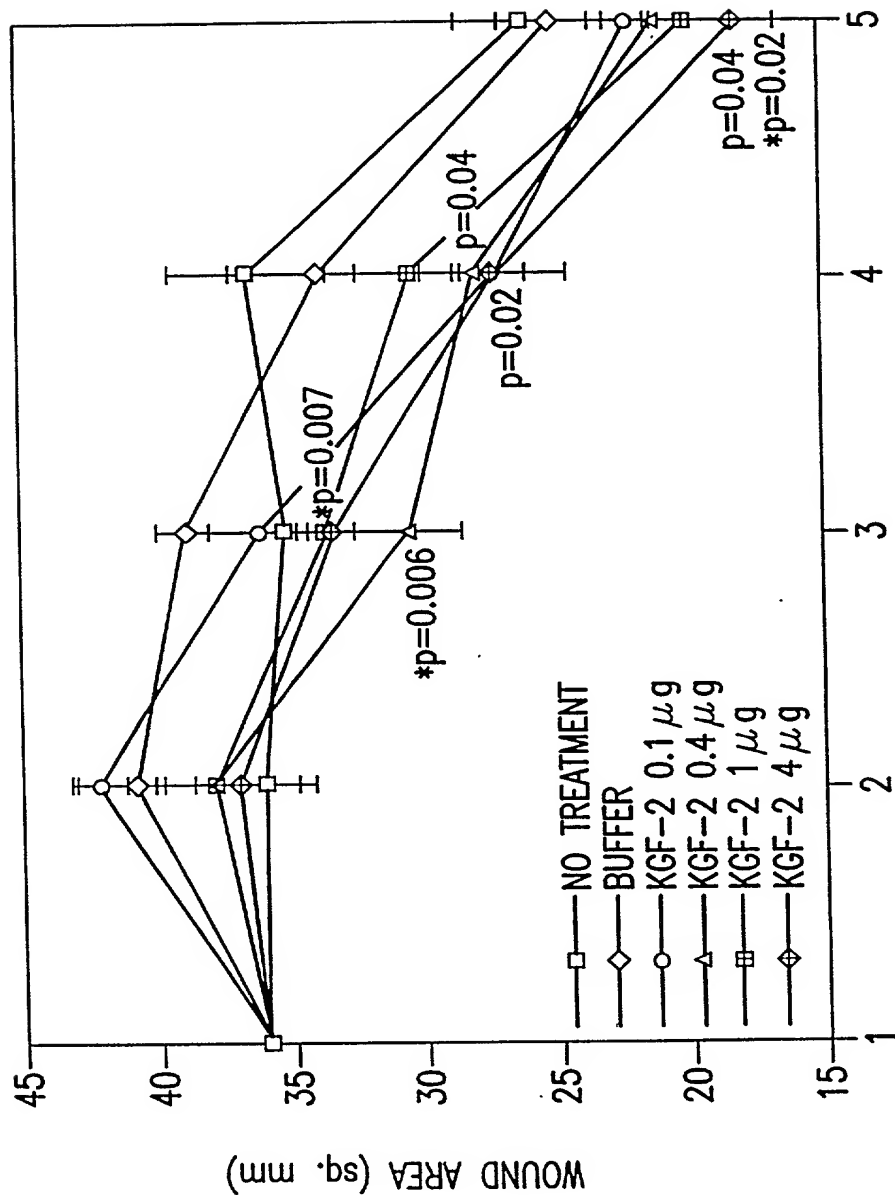


FIG.36

EFFECT OF KGF-2  $\Delta$ 33 ON NORMAL WOUND HEALING RAT MODEL

TREATMENT GROUPS	WOUND SIZE (mm)	% WOUND CLOSURE	HISTOLOGICAL SCORE	RE-EPITH. ( $\mu$ m)	BrdU SCORE
NO TREATMENT	25.9 $\pm$ 2.5	58.8 $\pm$ 3.7	6.8 $\pm$ 0.2	1142 $\pm$ 141	3.8 $\pm$ 0.4
BUFFER	25.1 $\pm$ 1.7	60.2 $\pm$ 2.6	6.4 $\pm$ 0.2	923 $\pm$ 61	5.0 $\pm$ 0.4
KGF-2/ $\Delta$ 33 (0.1 $\mu$ g)	22.0 $\pm$ 0.9	65 $\pm$ 1.4	6.8 $\pm$ 0.2	1275 $\pm$ 148	4.6 $\pm$ 0.7
KGF-2/ $\Delta$ 33 (0.4 $\mu$ g)	21.1 $\pm$ 1.4	68.4 $\pm$ 2.4	8.0 $\pm$ 0.5 p=0.0445*	1310 $\pm$ 182	4.2 $\pm$ 0.7
KGF-2/ $\Delta$ 33 (1.0 $\mu$ g)	19.9 $\pm$ 1.5	66.2 $\pm$ 2.1	8.4 $\pm$ 0.4 p=0.0159* p=0.0053†	1389 $\pm$ 115 p=0.0074†	3.3 $\pm$ 0.25 p=0.0217†
KGF-2/ $\Delta$ 33 (4.0 $\mu$ g)	18.1 $\pm$ 1.6 p=0.0398* p=0.0200†	71.2 $\pm$ 2.6 p=0.0367* p=0.0217†	8.5 $\pm$ 0.3 p=0.0047* p=0.0445†	1220 $\pm$ 89 p=0.0254†	5.3 $\pm$ 0.9

FIG.37

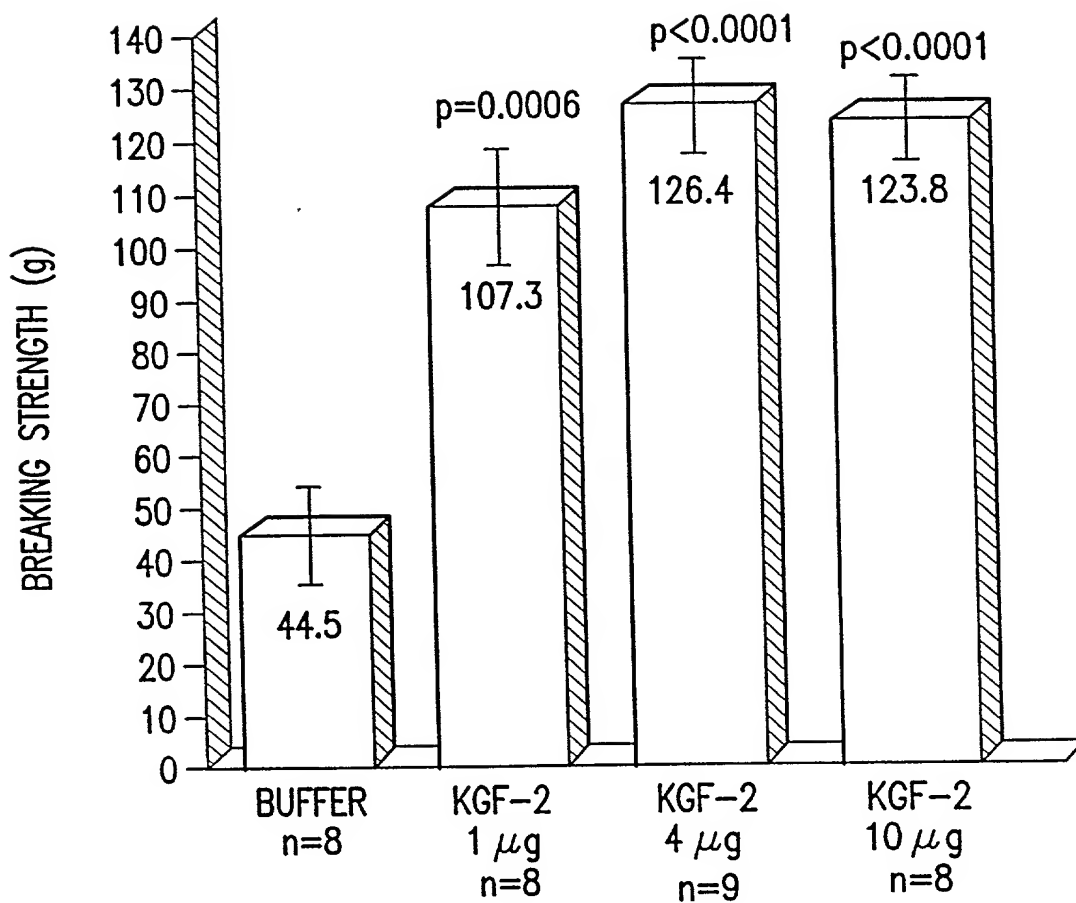


FIG.38



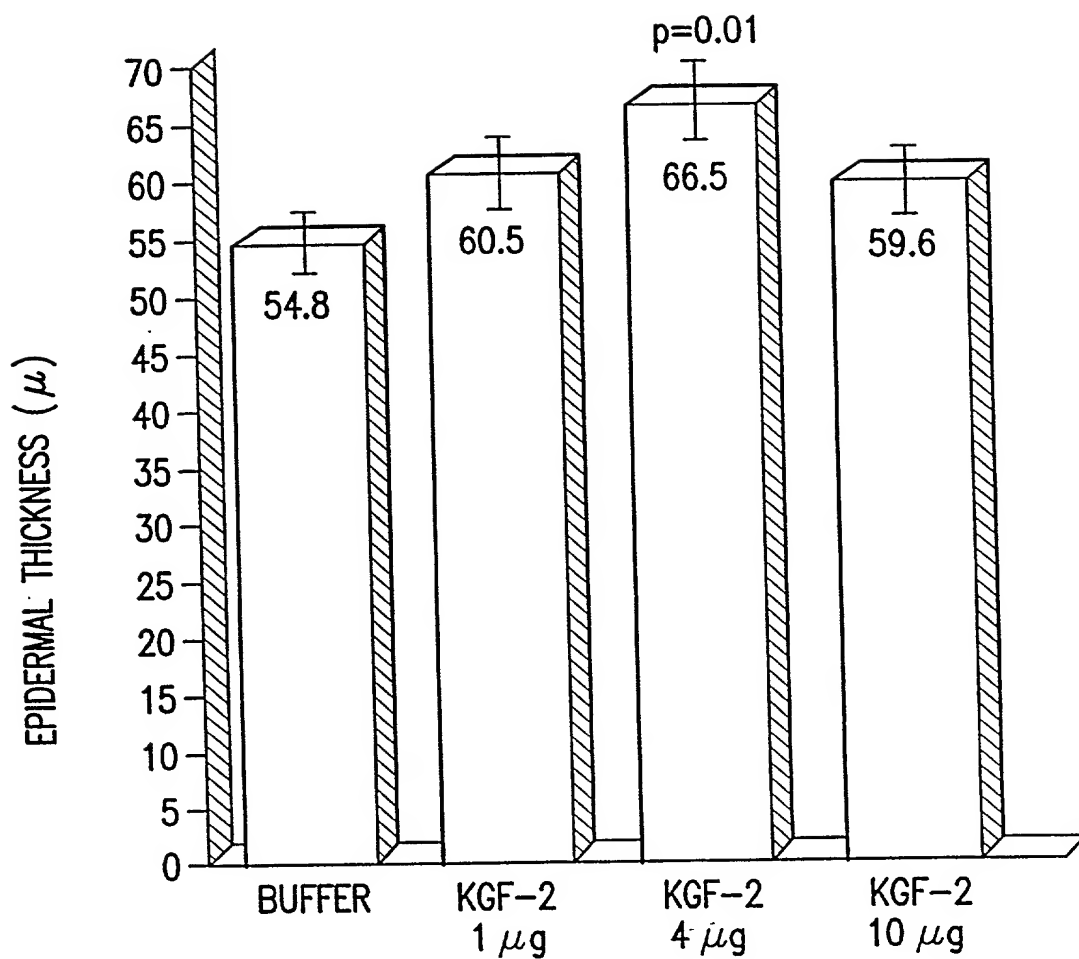


FIG.39

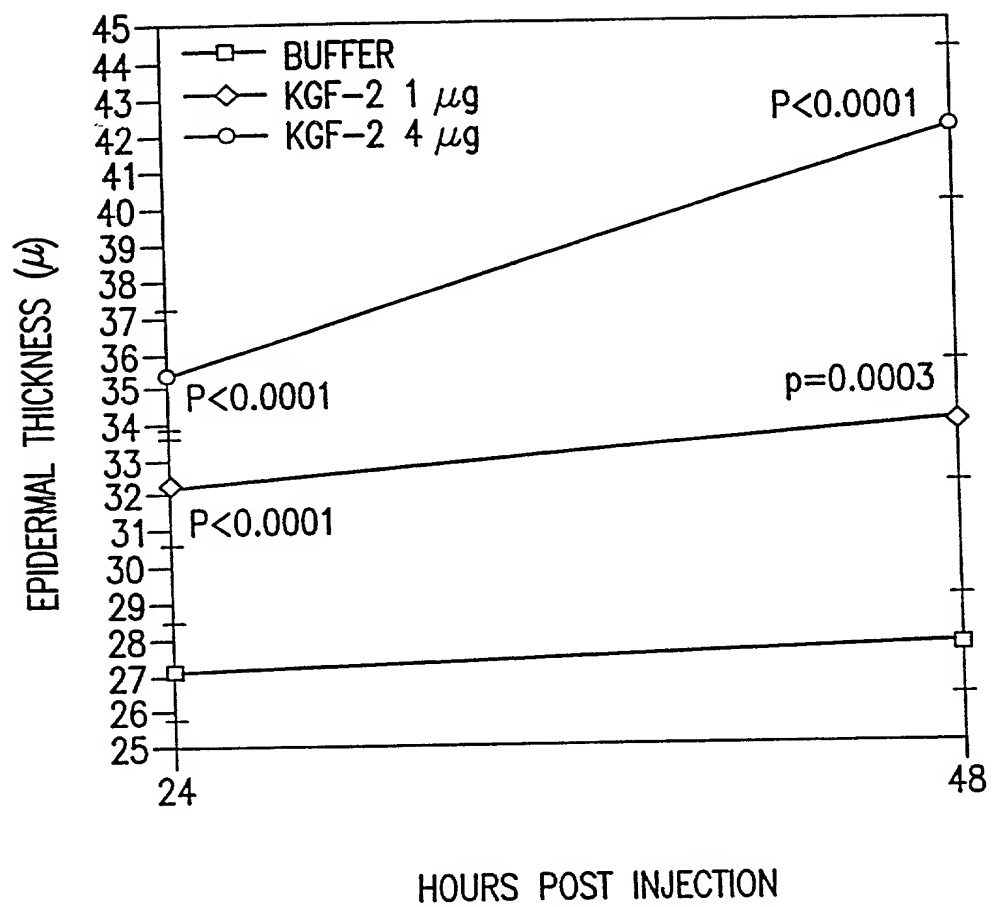


FIG.40

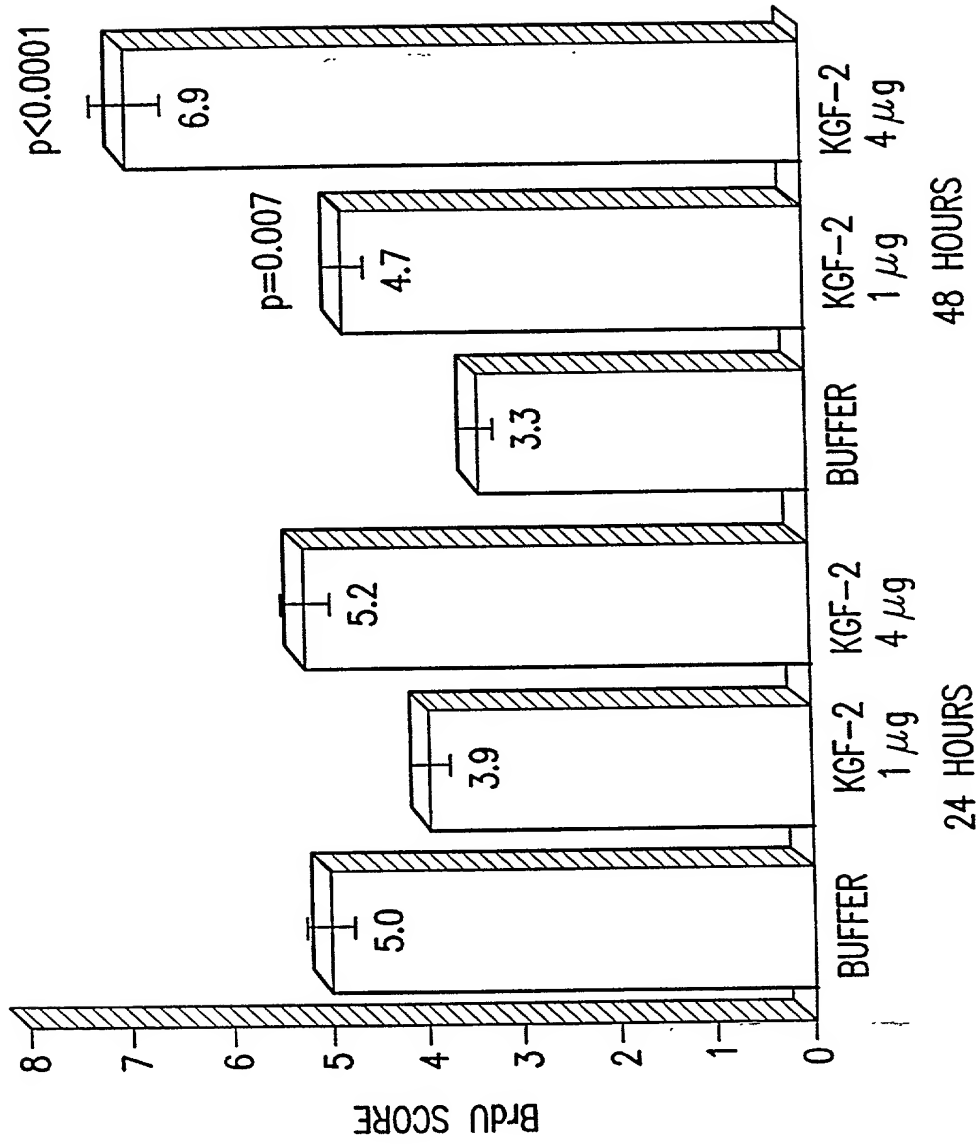


FIG.41

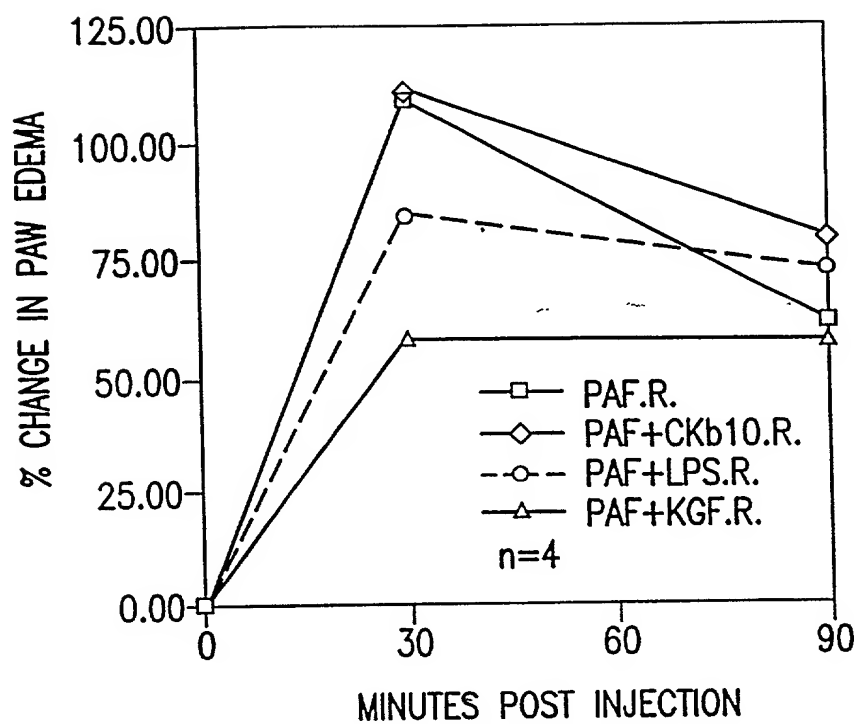


FIG.42A

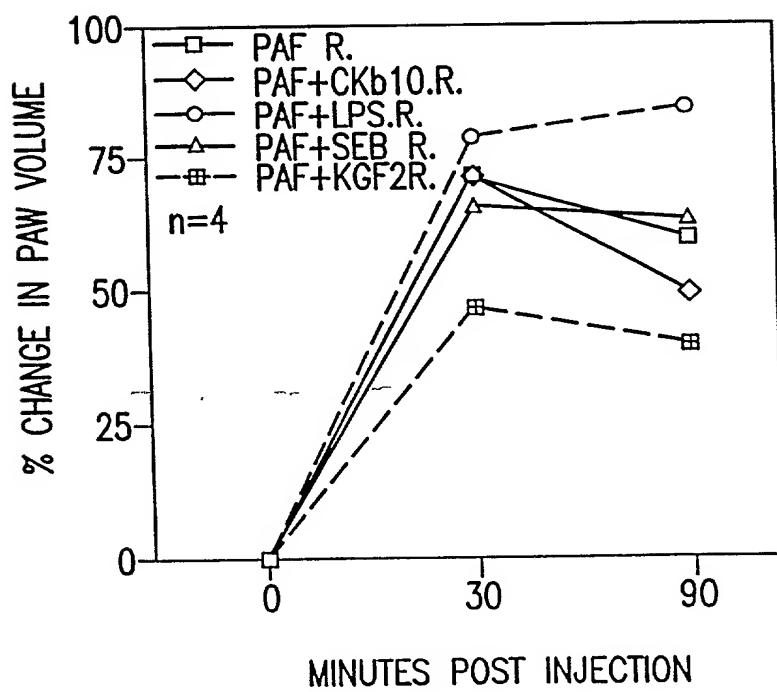


FIG.42B

EFFECT OF KGF-2  $\Delta 33$  ON PAF-INDUCED PAW EDEMA IN LEWIS RATS

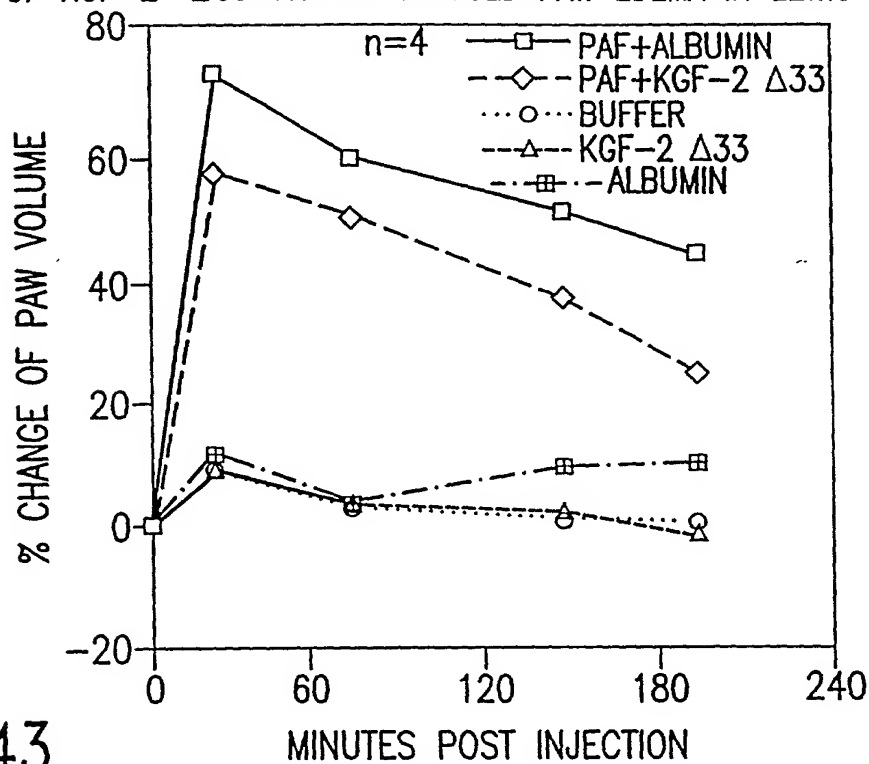


FIG.43

EFFECT OF KGF-2  $\Delta 33$  ON SURVIVAL OF WHOLE BODY IRRADIATED Balb/c MICE

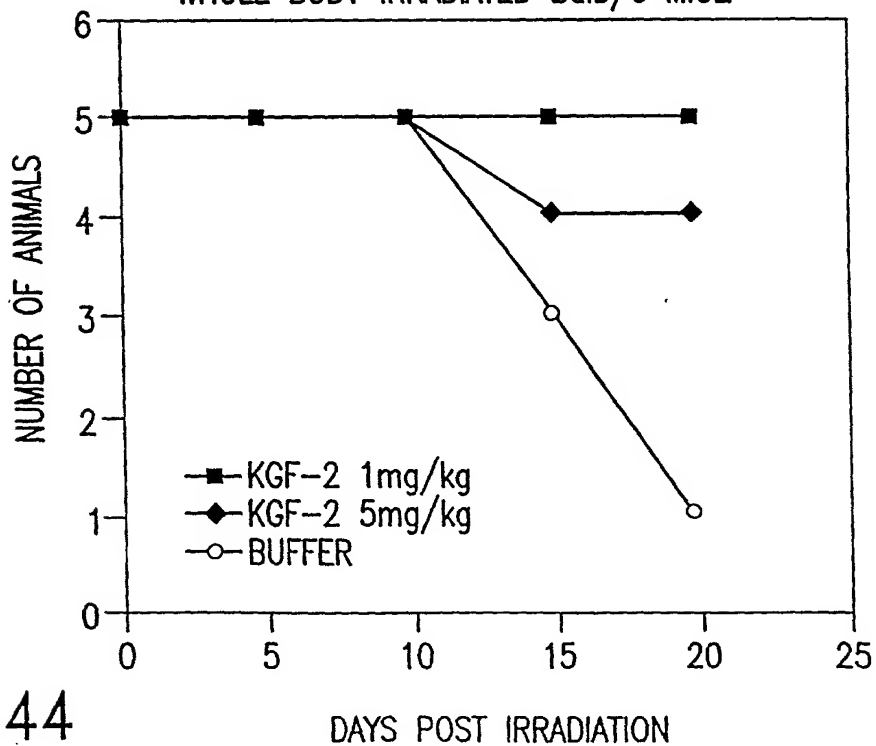


FIG.44

EFFECT OF KGF-2  $\Delta 33$  ON BODY WEIGHT OF IRRADIATED MICE

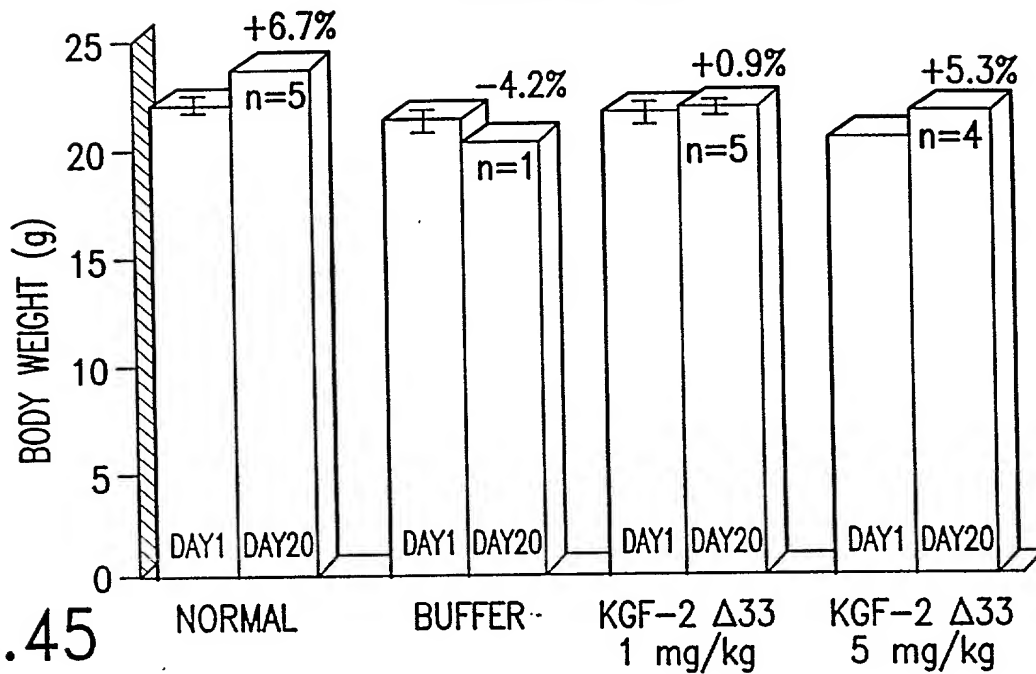
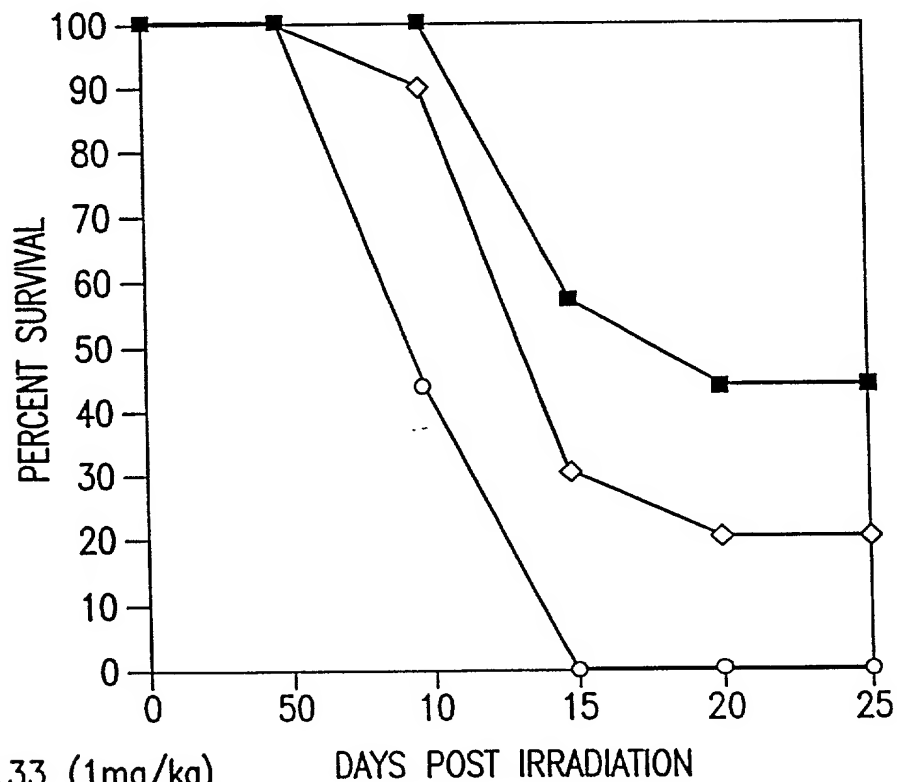


FIG.45



◇ KGF-2  $\Delta 33$  (1mg/kg)  
 ■ KGF-2  $\Delta 33$  (5mg/kg)  
 ○ BUFFER

FIG.46

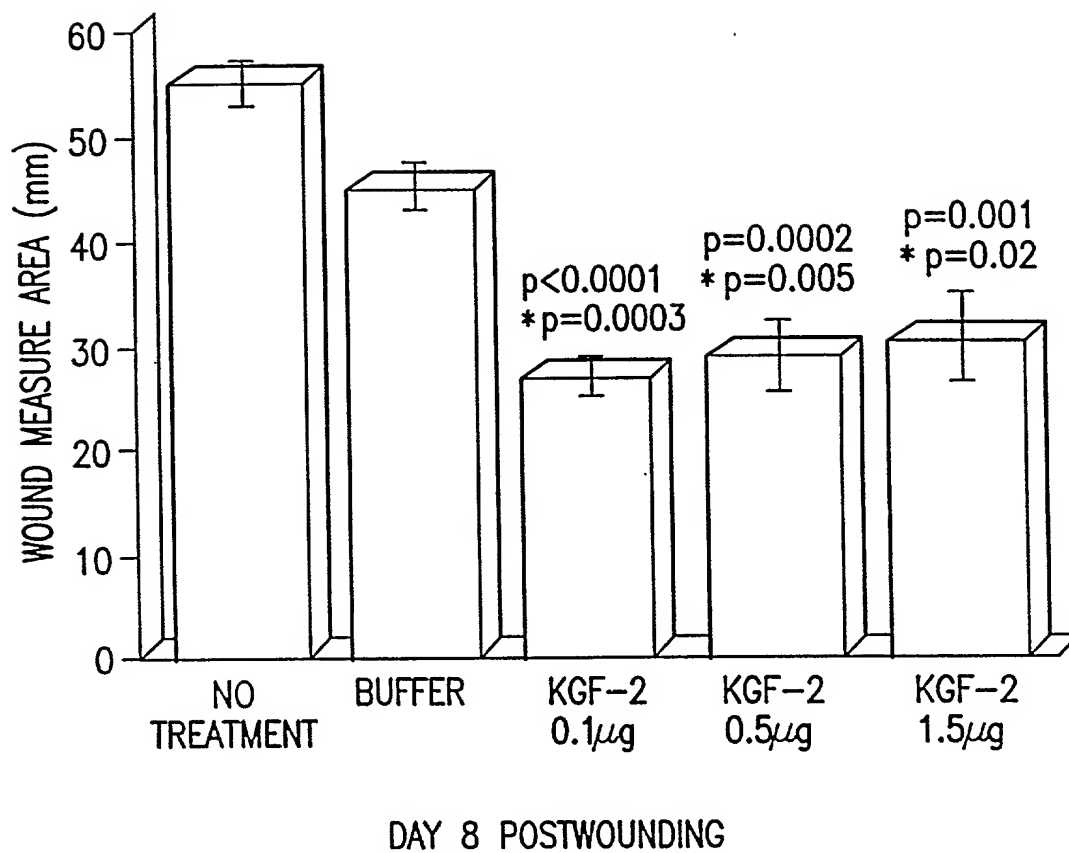


FIG.47

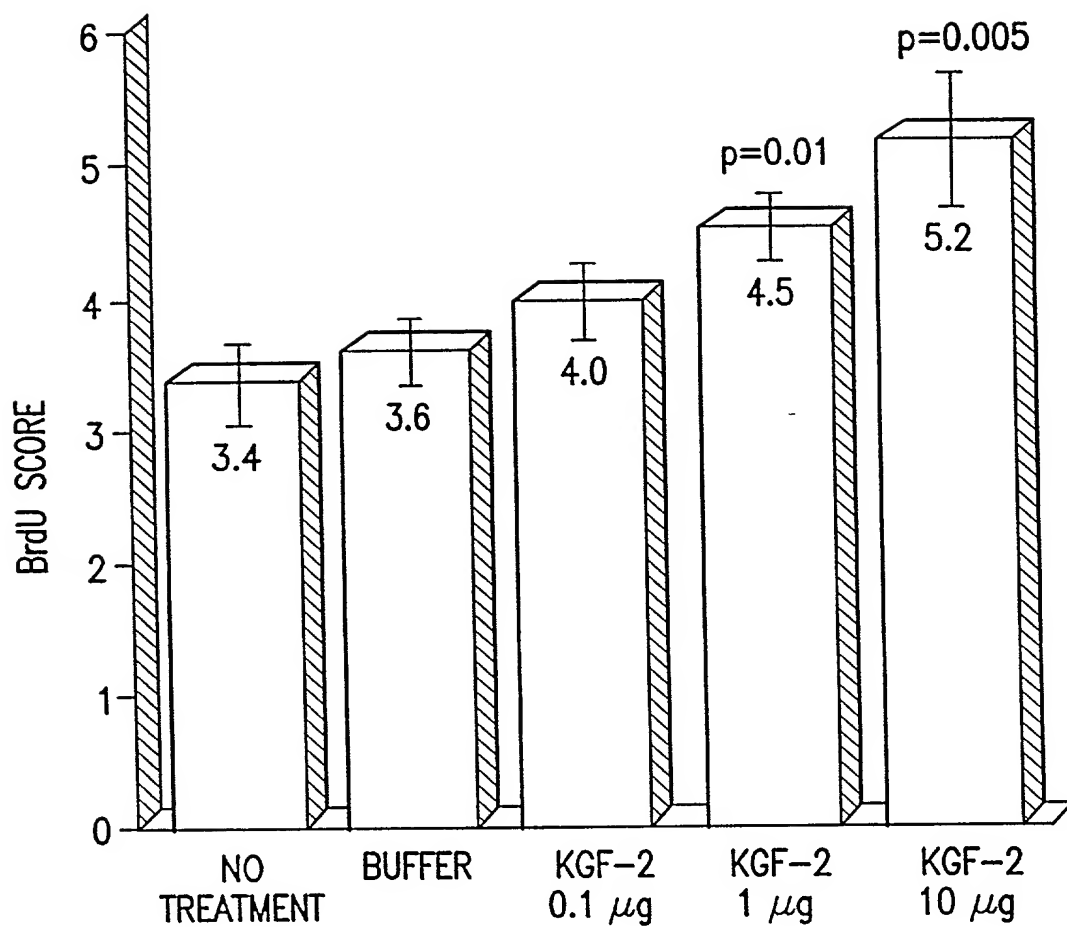


FIG.48



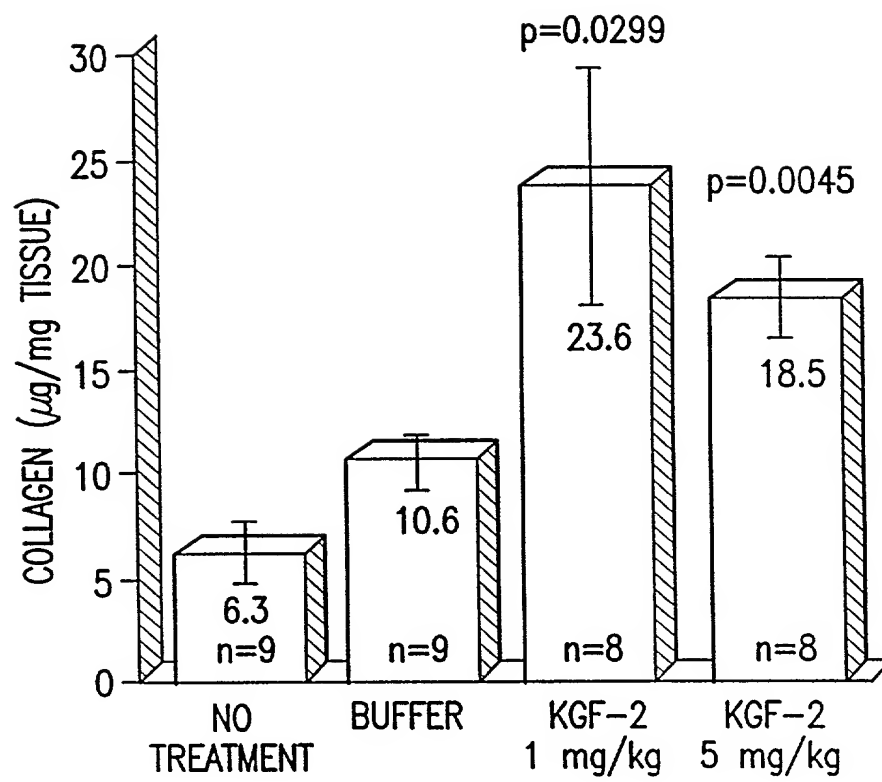


FIG.49

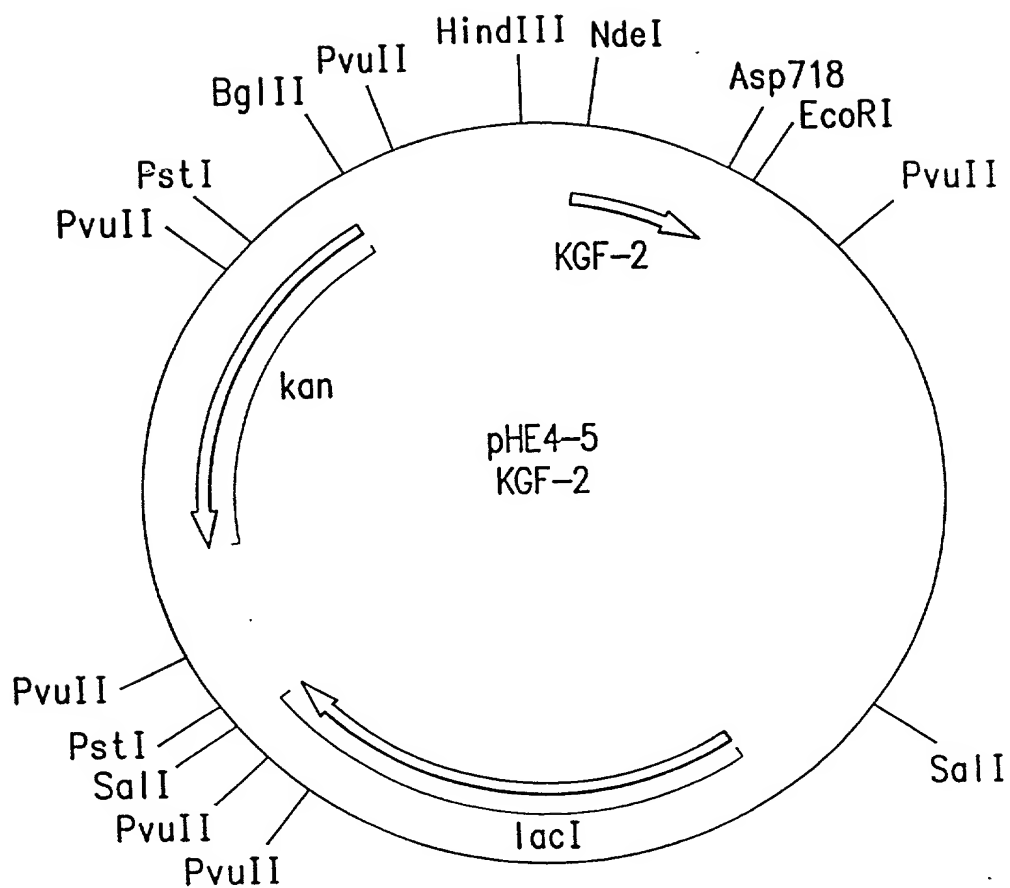


FIG. 50

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1      AAGC77AAAAAACTGCAAAAAATAGT<sup>-35</sup>TTGACTTGTGAGCGGATAACAAT<sup>Operator 1</sup>

50      <sup>-10</sup>TAAGATGTACCCAATTGTGAGCGGATAACAAT<sup>Operator 2</sup>TCACACATTAA

94      <sup>S/D</sup>AGAGGAGAAATTA CATATG

FIG. 51

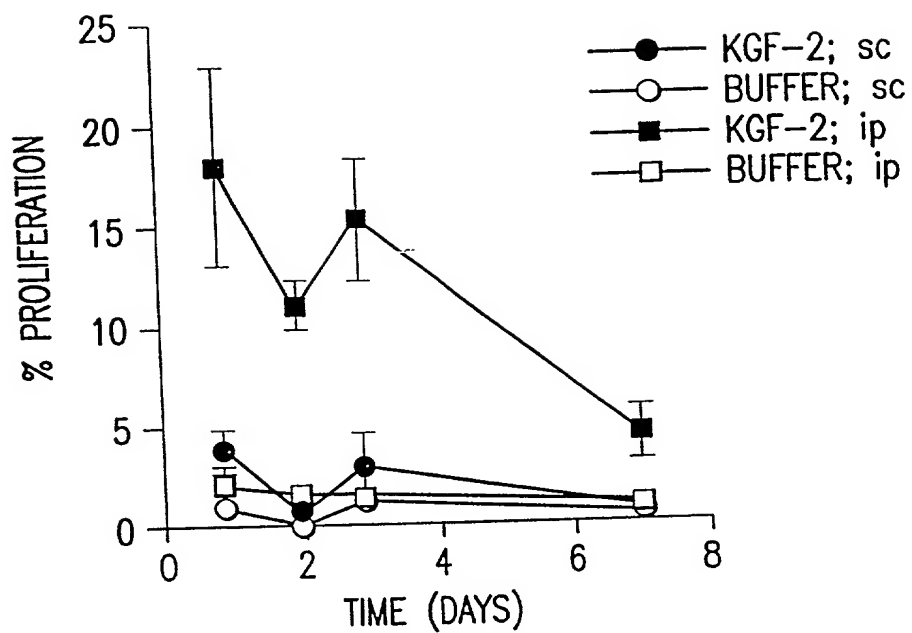


FIG. 52

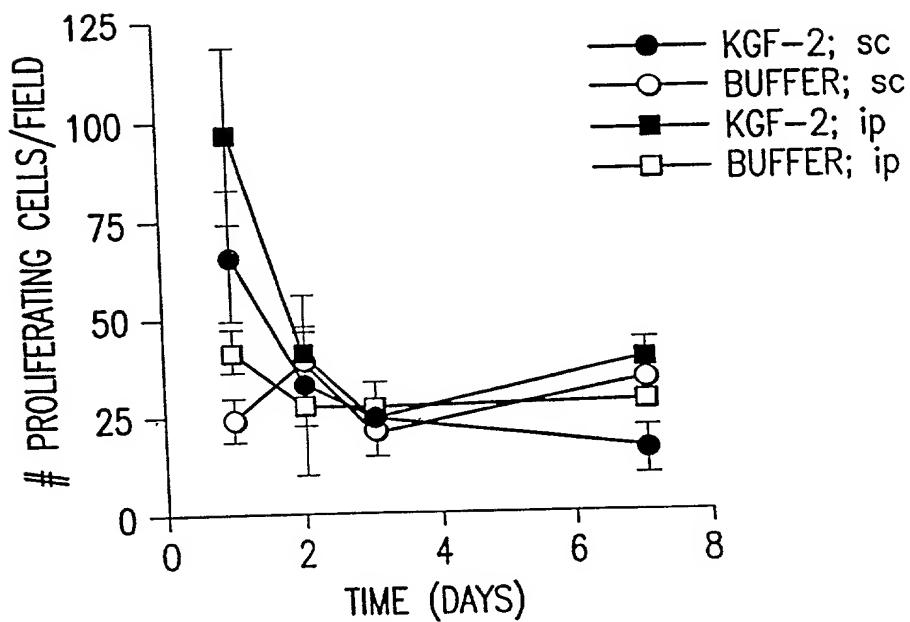


FIG. 53

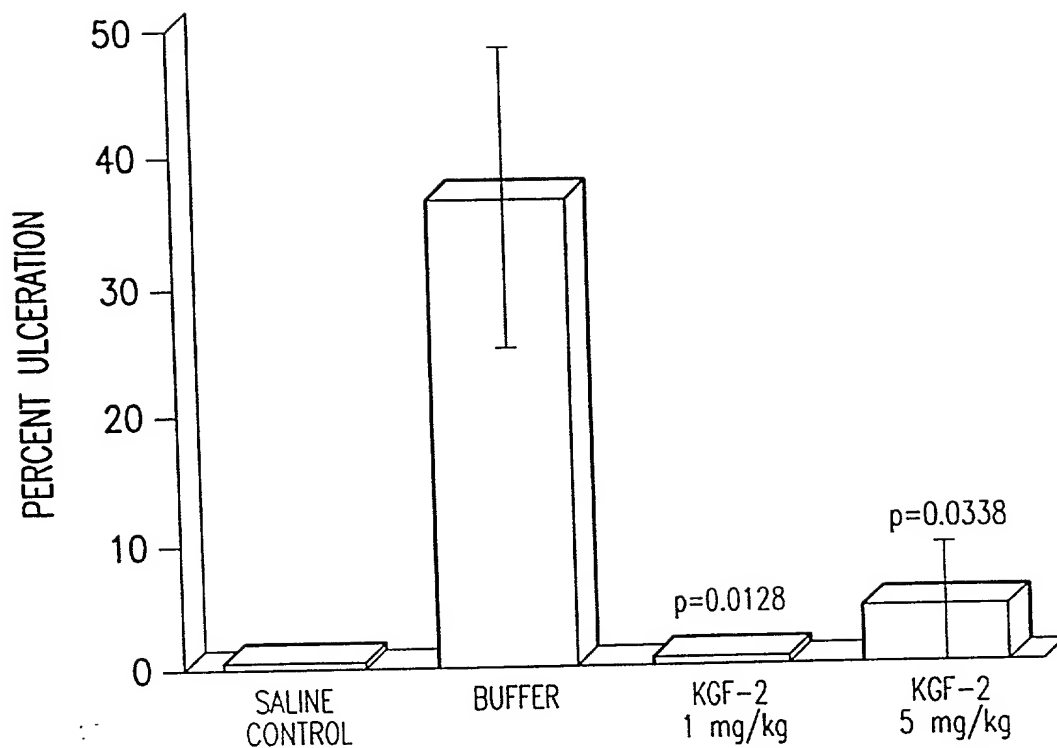


FIG. 54

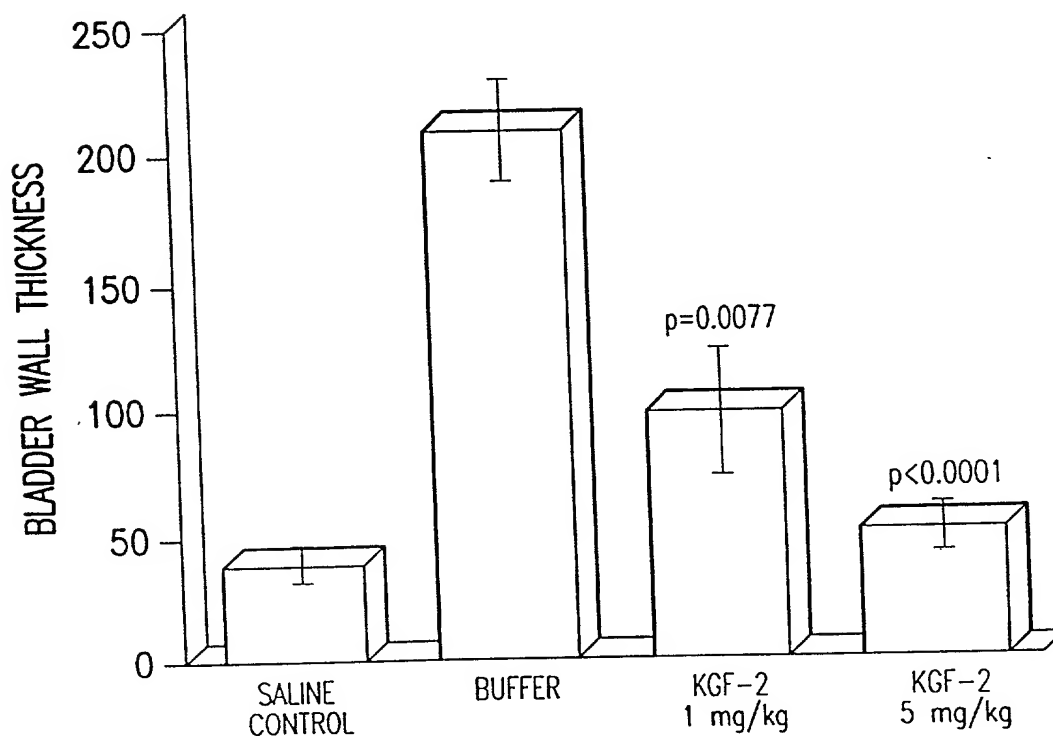


FIG. 55

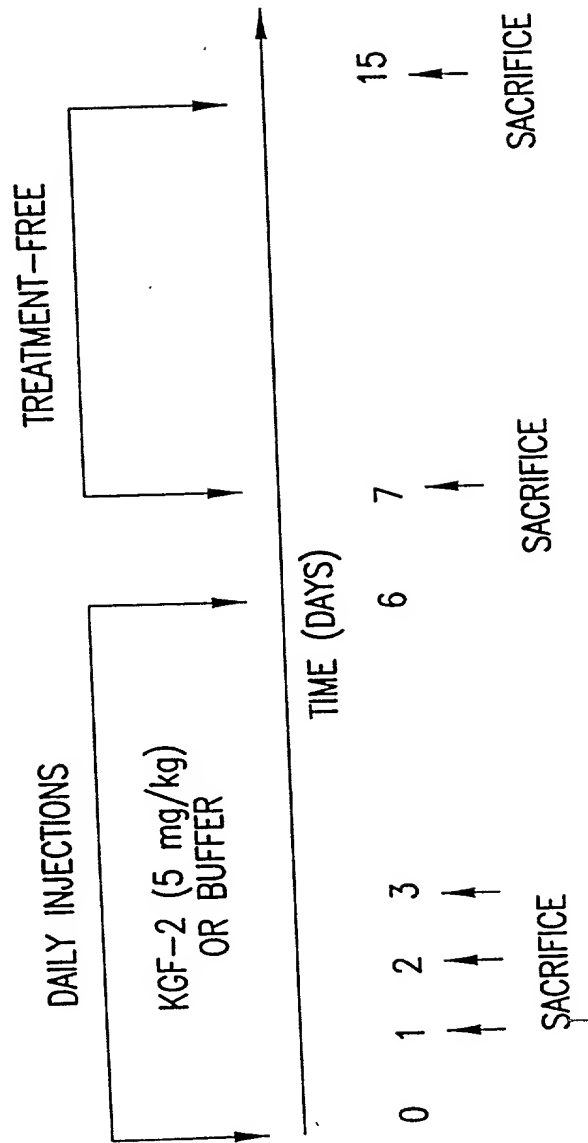


FIG. 56

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PROLIFERATION OF HEPATOCYTES FOLLOWING SYSTEMIC ADMINISTRATION OF KGF-2

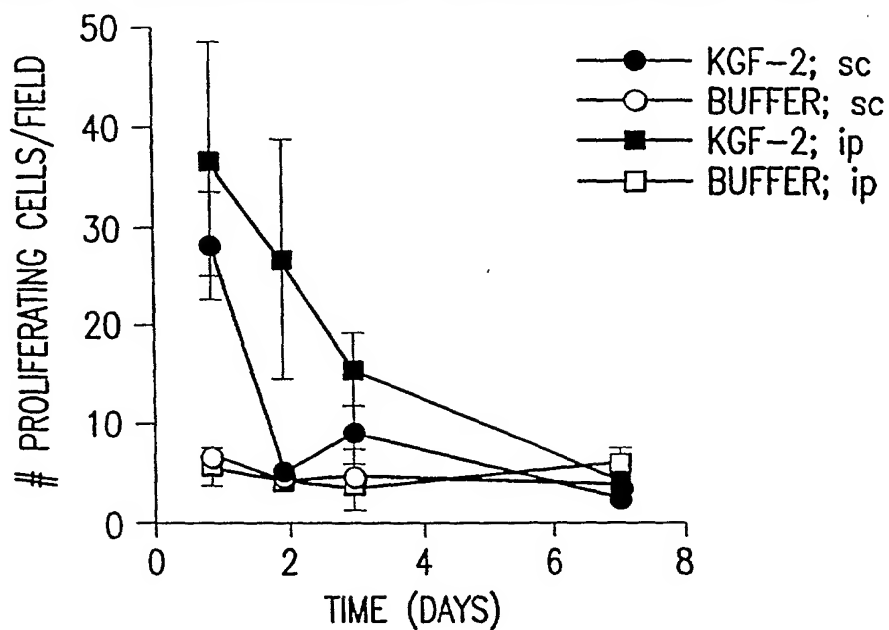


FIG. 57

PROLIFERATION OF PANCREATIC CELLS FOLLOWING SYSTEMIC ADMINISTRATION OF KGF-2

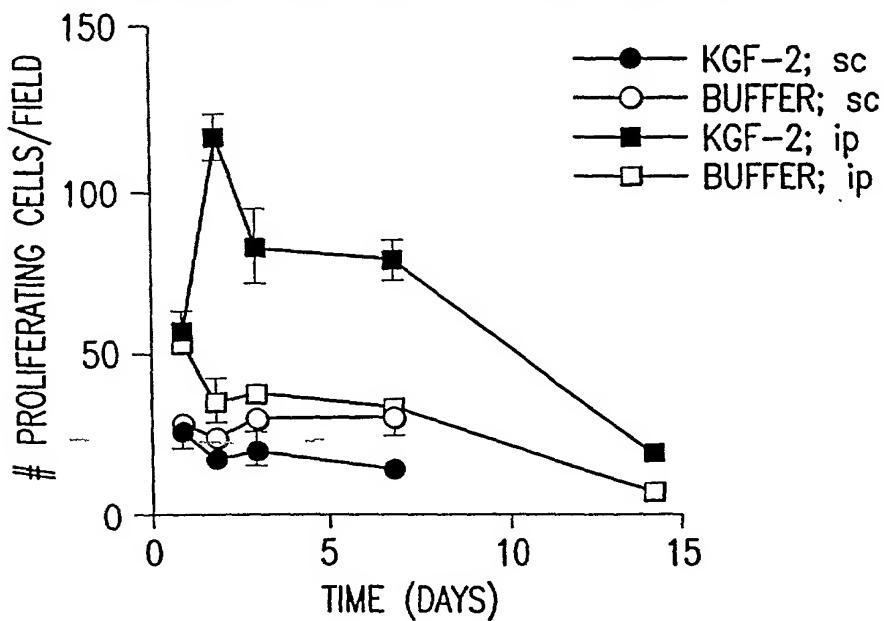


FIG. 58

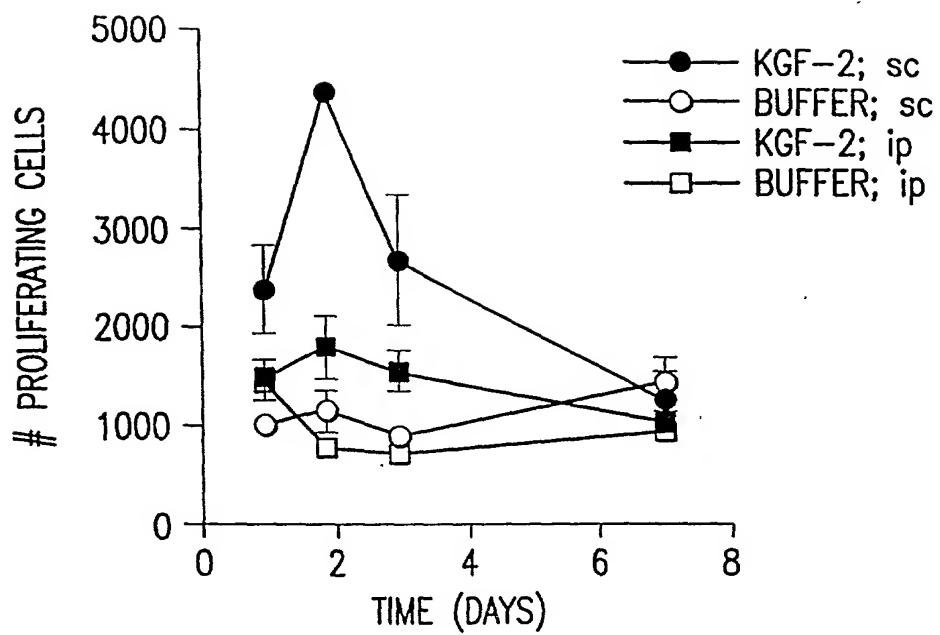


FIG. 59

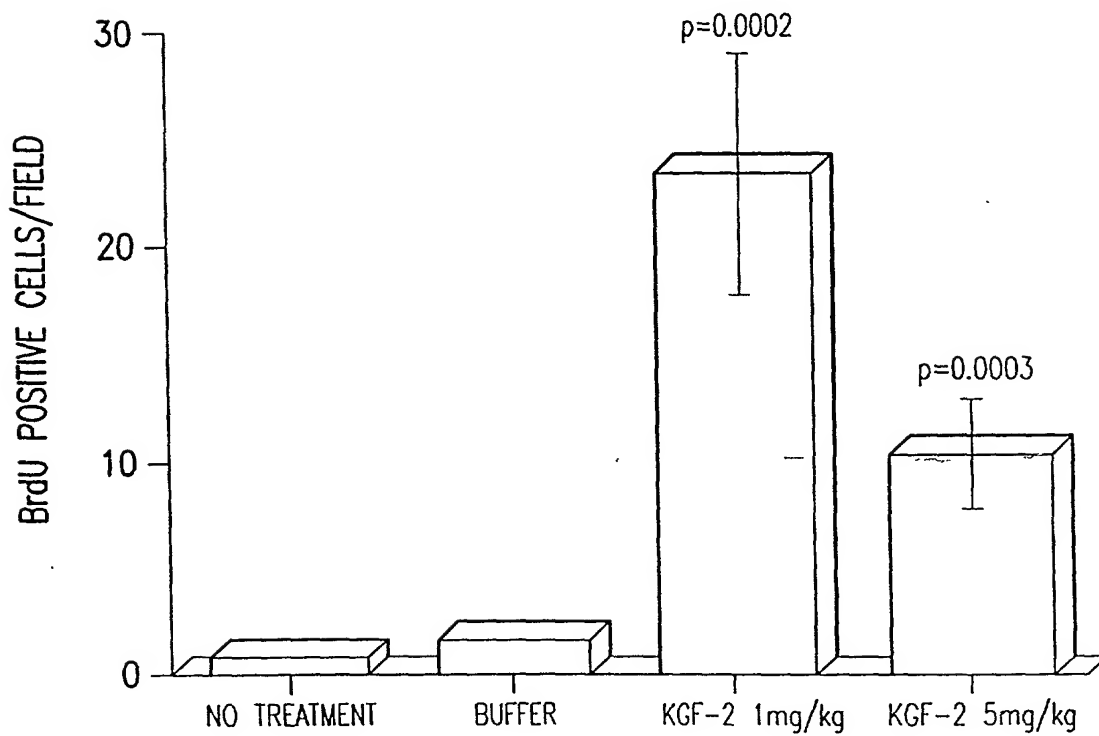


FIG. 60